

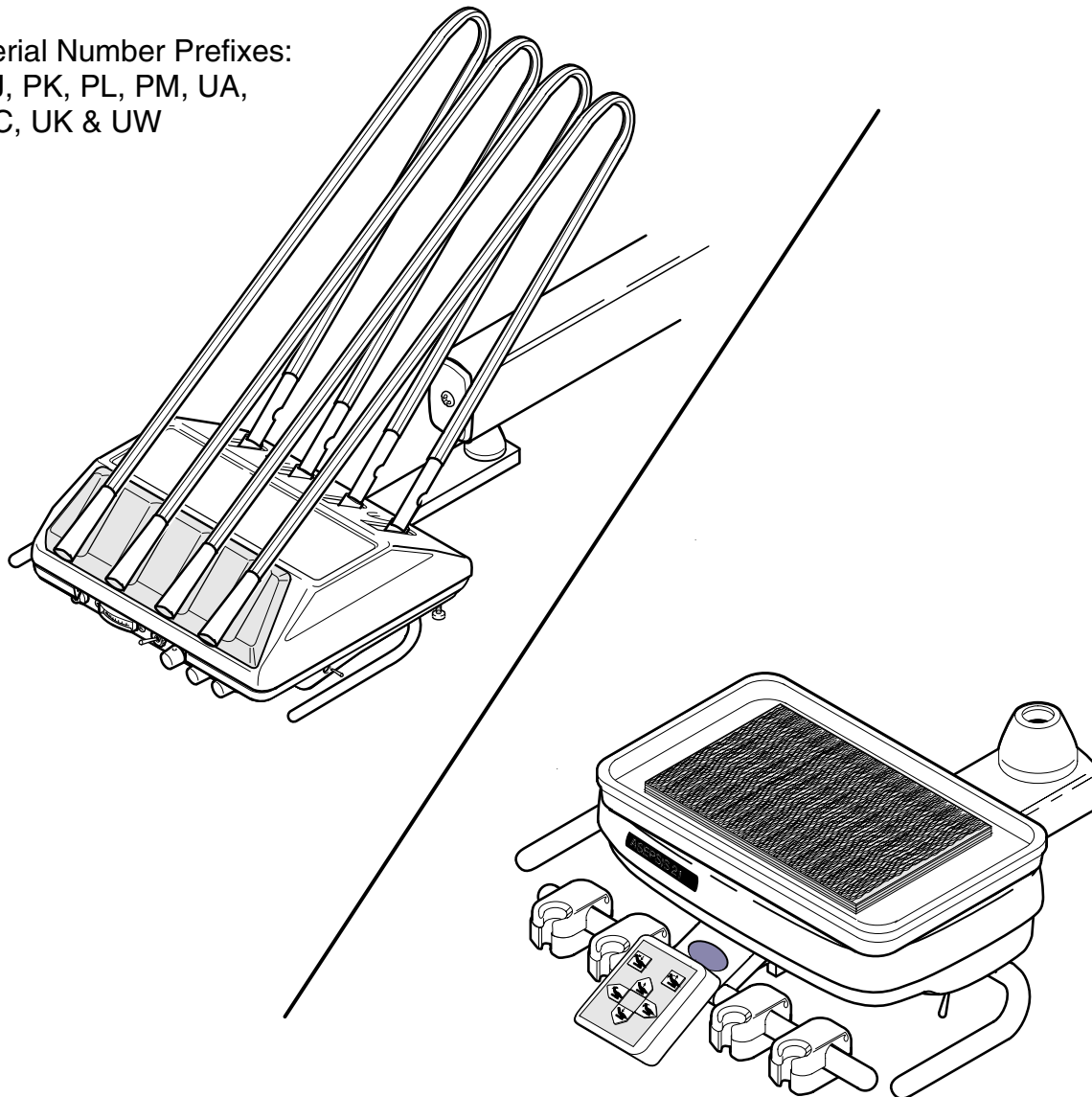
Delivery System

Knight®
by MIDMARK

Chair Mounted
Floor Mounted
Side / Rear
Cart

Service and Parts Manual

Serial Number Prefixes:
PJ, PK, PL, PM, UA,
UC, UK & UW



**Delivery
System**

FOR USE BY MIDMARK
TRAINED TECHNICIANS ONLY

SF-1605

Part No. 004-0251-00 Rev. E (1/01/04)

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General Safety Instructions

Safety First: The primary concern of Midmark Corporation is that this delivery system is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

- (1) Read this entire manual before performing any services or repairs on this delivery system.
- (2) Be sure you understand the instructions contained in this manual before attempting to service or repair this delivery system.

Safety Alert Symbols

Throughout this manual are safety alert symbols that call attention to particular procedures. These items are used as follows:



DANGER

A DANGER is used for an imminently hazardous operating procedure, practice, or condition which, if not correctly followed, will result in loss of life or serious personal injury.



WARNING

A WARNING is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.



CAUTION

A CAUTION is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in minor or moderate injury. It may also be used to alert against unsafe practices.



EQUIPMENT ALERT

An EQUIPMENT ALERT is used for an imminently or potentially hazardous operating procedure, practice, or condition which, if not correctly followed, will or could result in serious, moderate, or minor damage to unit.

NOTE

A NOTE is used to amplify an operating procedure, practice or condition.

Warranty Instructions

Refer to the Midmark "Limited Warranty" printed in the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and/or render the delivery system unsafe for operation.

- In the event of a malfunction, do not attempt to operate the delivery system until necessary repairs have been made.
- Do not attempt to disassemble delivery system, replace malfunctioning or damaged components, or perform adjustments unless you are one of Midmark's authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Midmark replacement parts.

**SECTION I
GENERAL INFORMATION****1.1 Scope of Manual**

This manual contains detailed troubleshooting, scheduled maintenance, and service instructions for all Knight by Midmark Delivery Systems. This manual is intended to be used by authorized service technicians only.

1.2 How to Use Manual**A. Manual Use When Performing Scheduled Maintenance**

- (1) Perform inspections and services listed in Scheduled Maintenance Chart. (Refer to para 3.1).
- (2) If a component is discovered to be faulty or out of adjustment, replace or adjust component as necessary. Refer to para 4.1 for basic cover removal and common service procedures.

B. Manual Use When Delivery System Is Malfunctioning And Cause Is Unknown

- (1) Perform troubleshooting procedures listed in Troubleshooting Guide. (Refer to para 2.1).
- (2) If a component is discovered to be faulty or out of adjustment, replace or adjust component as necessary. Refer to para 4.1 for basic cover removal and common service procedures.

C. Manual Use When Damaged Component Is Known

- (1) Replace or adjust damaged component(s). Refer to para 4.1 for basic cover removal and common service procedures.

1.3 Description of Delivery System**A. General Description**

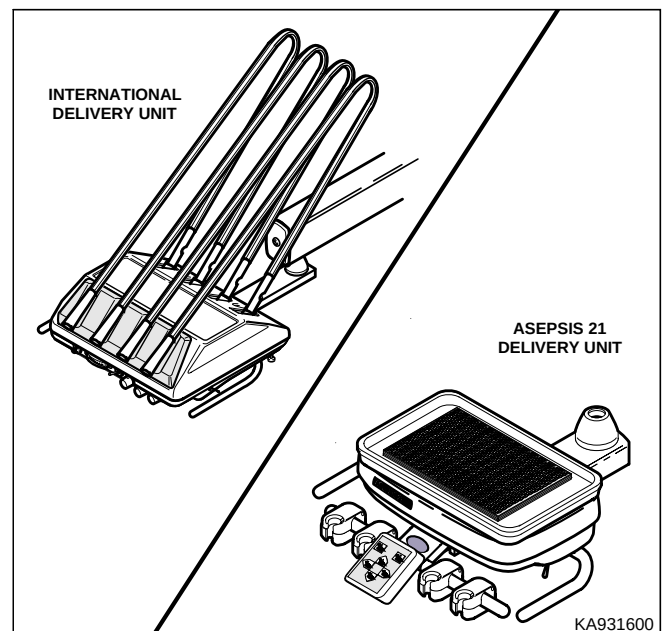
Knight by Midmark delivery systems are available in a variety of configurations (console mounted systems, floor mounted systems, LR systems, side/rear delivery systems, cart assemblies, etc.). The delivery system components may be purchased separately or as complete chair/delivery packages.

Two models of delivery units are available: the Asepsis 21 Delivery Unit, and the International Delivery Unit (see Figure 1-1).

**B. Basic Theory of Operation
(Asepsis 21 Delivery Unit)**Master ON/OFF Switch

When the Master ON/OFF switch is turned ON, air passes through the ON/OFF switch valve to the pilot valve block.

- If ON/OFF switch malfunctions, check purple line from pilot valve block. If air is detected, replace ON/OFF switch. If air is not detected, check pilot valve block.

**Figure 1-1. Delivery Units**

SECTION I GENERAL INFORMATION

Pilot Valve Block

The pilot valve block directs the flow of air, city water, and self contained water throughout the system.

- *If air/water leaking from small holes in back of valve block, replace o-rings.*
- *If decreased air/water pressure from valve block is detected, check/clean valve block filters and screens.*

The air and water regulators (mounted to side of valve block) adjust the air and water pressure from the block. Recommended settings: Air- 80 PSI, Water- 40 PSI

The optional Self Contained Water System has an air regulator (mounted separately) to adjust the air pressure to the water bottle.

Recommended setting: 40 PSI

- *If inadequate pressure, clean and adjust regulator. Replace regulator if necessary.*

Foot Control Assembly

Standard Foot Control (no water ON/OFF switch)

This style foot control supplies drive air only to handpieces.

- *If handpieces have water but no air, clean foot control. Replace foot control if necessary.*
- *If handpiece(s) run momentarily w/o activating foot control, disconnect drive air line and check for air pressure. If air pressure is detected, replace foot control.*

Wet/Dry Foot Control (w/water ON/OFF switch)

This style foot control supplies drive air and coolant water to handpieces. When the water ON/OFF switch is turned ON, the coolant water valve opens allowing coolant water to flow to handpieces.

- *If no coolant water at handpiece(s), disconnect orange line from coolant water valve and activate foot control. If no air is detected, replace foot control.*
- *If handpiece(s) run momentarily w/o activating foot control, disconnect drive air line and check for air pressure. If air pressure is detected, replace foot control.*

Handpiece Holder Assembly

When a handpiece is lifted out of the holder assembly, lever action opens the handpiece holder valve allowing air to flow to the kink valve assembly.

Kink Valve Assembly

When the handpiece holder valve opens, air flows to the kink valve causing it to open. This allows coolant air, drive air, and coolant water to flow thru the kink valve to the handpiece.

- *If kink valve does not open when handpiece is removed from holder assembly, disconnect air line coming from handpiece holder valve. If air is not detected, replace handpiece holder valve. If air is detected, replace kink valve.*

C. Basic Theory of Operation (International Delivery Unit)

Master ON/OFF Switch

When the Master ON/OFF switch is turned ON, air passes through the ON/OFF switch valve to the pilot valve block.

- *If ON/OFF switch malfunctions, check purple line from pilot valve block. If air is detected, replace ON/OFF switch. If air is not detected, check pilot valve block.*

Pilot Valve Block

The pilot valve block directs the flow of air, city water, and self contained water throughout the system.

- *If air/water leaking from small holes in back of valve block, replace o-rings.*
- *If decreased air/water pressure from valve block is detected, check/clean valve block filters and screens.*

The air and water regulators (mounted to side of valve block) adjust the air and water pressure from the block. Recommended settings: Air- 80 PSI, Water- 40 PSI

The optional Self Contained Water System has an air regulator (mounted separately) to adjust the air pressure to the water bottle.

Recommended setting: 40 PSI

- *If inadequate pressure, clean and adjust regulator. Replace regulator if necessary.*

Foot Control Assembly

Standard Foot Control (no water ON/OFF switch)
This style foot control supplies drive air only to handpieces.

- *If handpieces have water but no air, clean foot control. Replace foot control if necessary.*
- *If handpiece(s) run momentarily w/o activating foot control, disconnect drive air line and check for air pressure. If air pressure is detected, replace foot control.*

Wet/Dry Foot Control (w/water ON/OFF switch)

This style foot control supplies drive air and coolant water to handpieces. When the water ON/OFF switch is turned ON, the coolant water valve opens allowing coolant water to flow to handpieces.

- *If no coolant water at handpiece(s), disconnect orange line from coolant water valve and activate foot control. If no air is detected, replace foot control.*
- *If handpiece(s) run momentarily w/o activating foot control, disconnect drive air line and check for air pressure. If air pressure is detected, replace foot control.*

Handpiece Operation

When a handpiece is lifted, the whip assembly pivots causing a pilot valve to open. The open pilot valve allows air to flow to the kink valve assembly.

Kink Valve Assembly

When the pilot valve opens, air flows to the kink valve causing it to open. This allows coolant air, drive air, and coolant water to flow through the kink valve to the handpiece.

- *If kink valve does not open when handpiece is lifted, check location of the whip assembly's wire actuator. If wire actuator is below spring hub pin, adjust screw and nut to contact stop pin at correct time.*
- *If kink valve does not open when handpiece is lifted (and wire actuator is in correct position), disconnect air line coming from pilot valve. If no air is detected, replace pilot valve. If air is detected replace kink valve.*

D. Basic Theory of Operation **(Air Lock Flex Arm)**

Locking Mechanism

When the air lock switch (located on the right side of the delivery head) is turned ON (lock position), locking pawls (located under flex arm cover) prevent downward movement of the flex arm. The flex arm will move upward freely.

- *If the locking mechanism will not activate, remove flex arm cover; then perform the following steps:*
 1. *Check that wire tie (used for shipping) around locking pawls has been removed.*
 2. *Disconnect air line from flex arm cylinder. If air pressure is detected, replace arm lock switch valve (toggle switch on delivery head). If no air pressure is detected, replace air lock cylinder switch valve (piston style valve in flex arm).*
- *If the locking mechanism will not release, remove the flex arm cover; then perform the following steps:*
 1. *Tighten any loose mounting hardware on locking pawls.*
 2. *Check that brown tubing is not kinked or pinched.*
- *If flex arm drifts up or down, adjust nut tension on spring.*

SECTION I GENERAL INFORMATION

1.4 Standard Torque Specifications

The following standard torque specifications in Table 1-1 apply to the hardware used on the unit unless otherwise noted in the service procedures or parts illustrations:

Table 1-1. Torque Specifications

Hardware Size	Torque Values
#6	11 to 21 inch-lbs. (1.2 to 2.3 N•M)
#8	20 to 30 inch-lbs. (2.2 to 3.3 N•M)
#10	32 to 42 inch-lbs. (3.6 to 4.8 N•M)
1/4 inch.....	75 to 85 inch-lbs. (8.5 to 9.6 N•M)
5/16 inch.....	18 to 22 ft.-lbs. (24.4 to 29.8 N•M)
3/8 inch.....	31 to 35 ft.-lbs. (42.0 to 47.5 N•M)
1/2 inch.....	50 to 60 ft.-lbs. (67.8 to 81.4 N•M)

1.5 Specifications

Dimensional data for the Knight Delivery System is provided in Figures 1-2 thru 1-5.

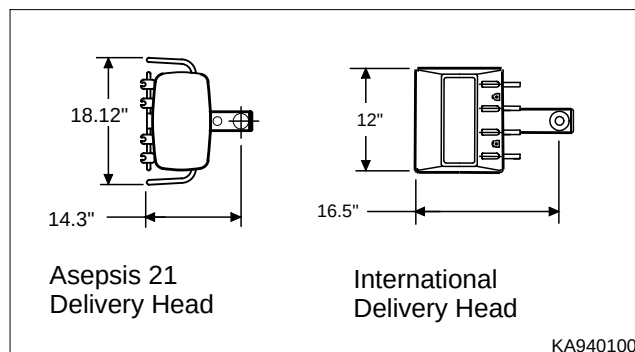


Figure 1-2. Delivery Head Dimensions

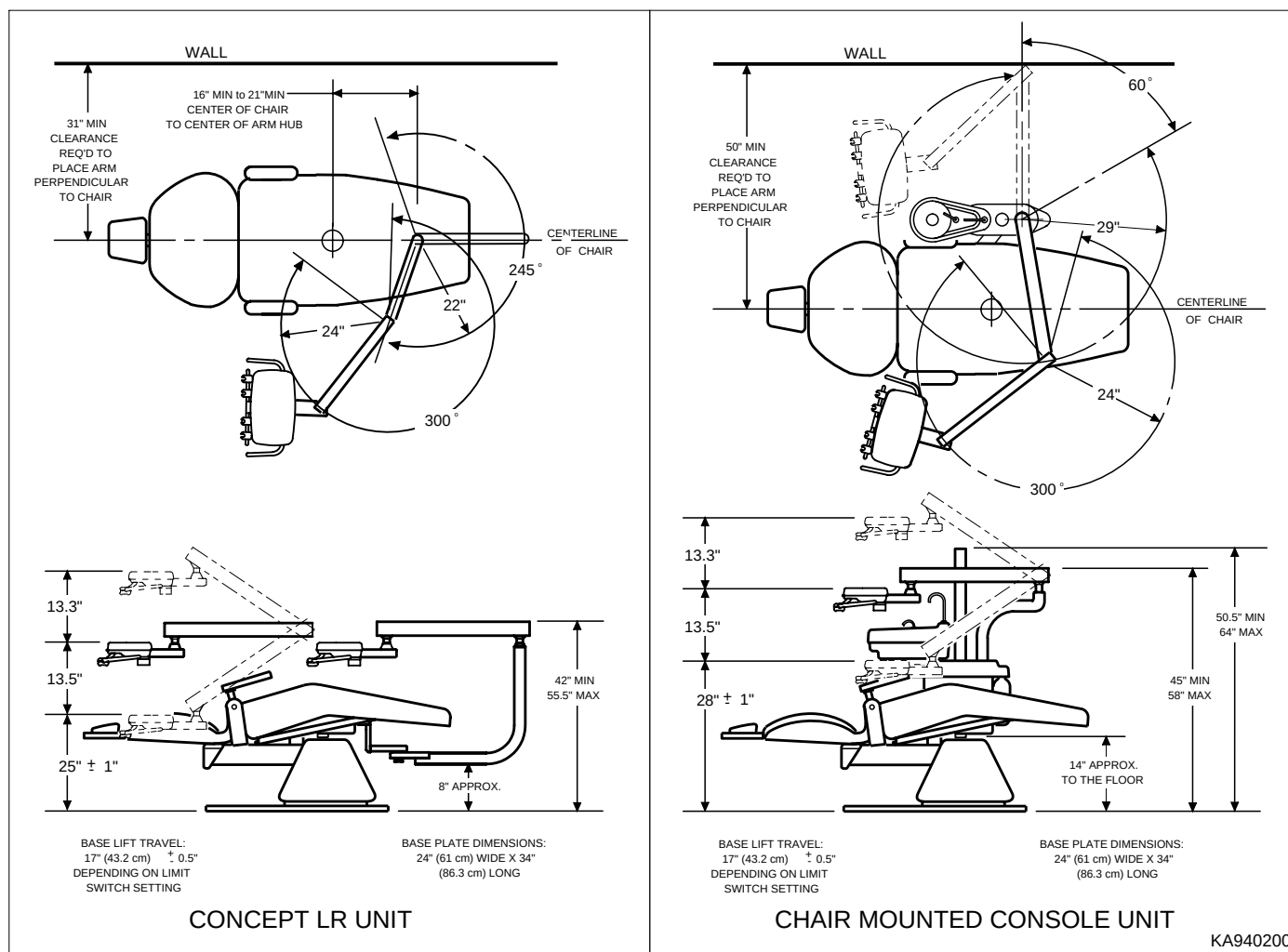


Figure 1-3. Chair Mounted Unit Dimensions

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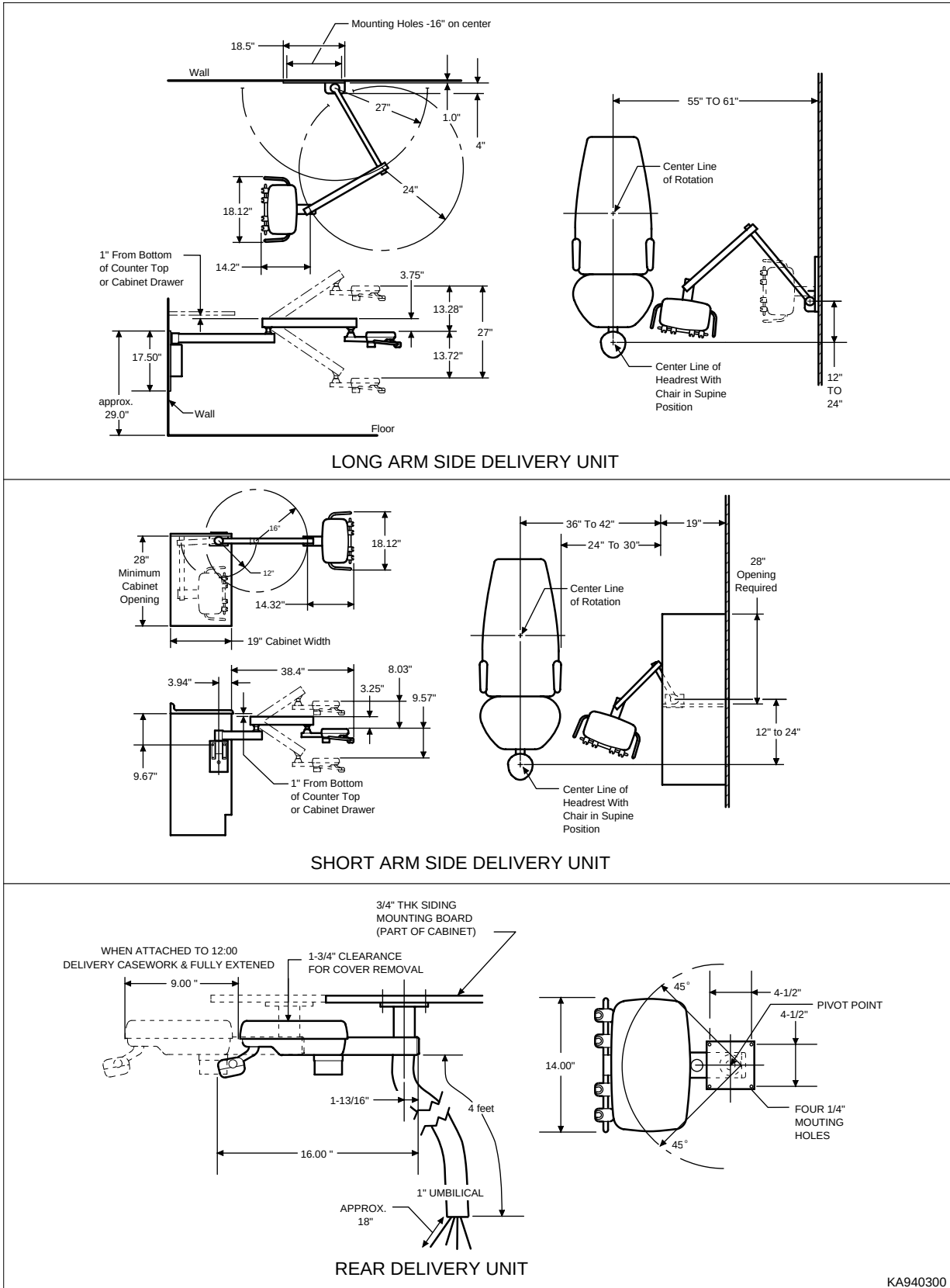


Figure 1-4. Side / Rear Delivery Unit Dimensions

SECTION I GENERAL INFORMATION

1.6 Parts Replacement Ordering

If a replacement part is required, order the part directly from the factory as follows:

- (1) Refer to Figure 1-2 to determine the location of the model number and serial number of the delivery system component. Record this data.
- (2) Refer to the Parts List (para 6-1) to determine the item numbers of the parts, part numbers of the parts, descriptions of the parts, and quantities of parts needed. Record this data.
- (3) Determine the installation date of the delivery system. Record this data.
- (4) Call Midmark with the recorded information and ask for the Technical Service Department. See back cover of this manual for the phone number or use the Fax Order Form (See page 7-2 for Fax Order Form).

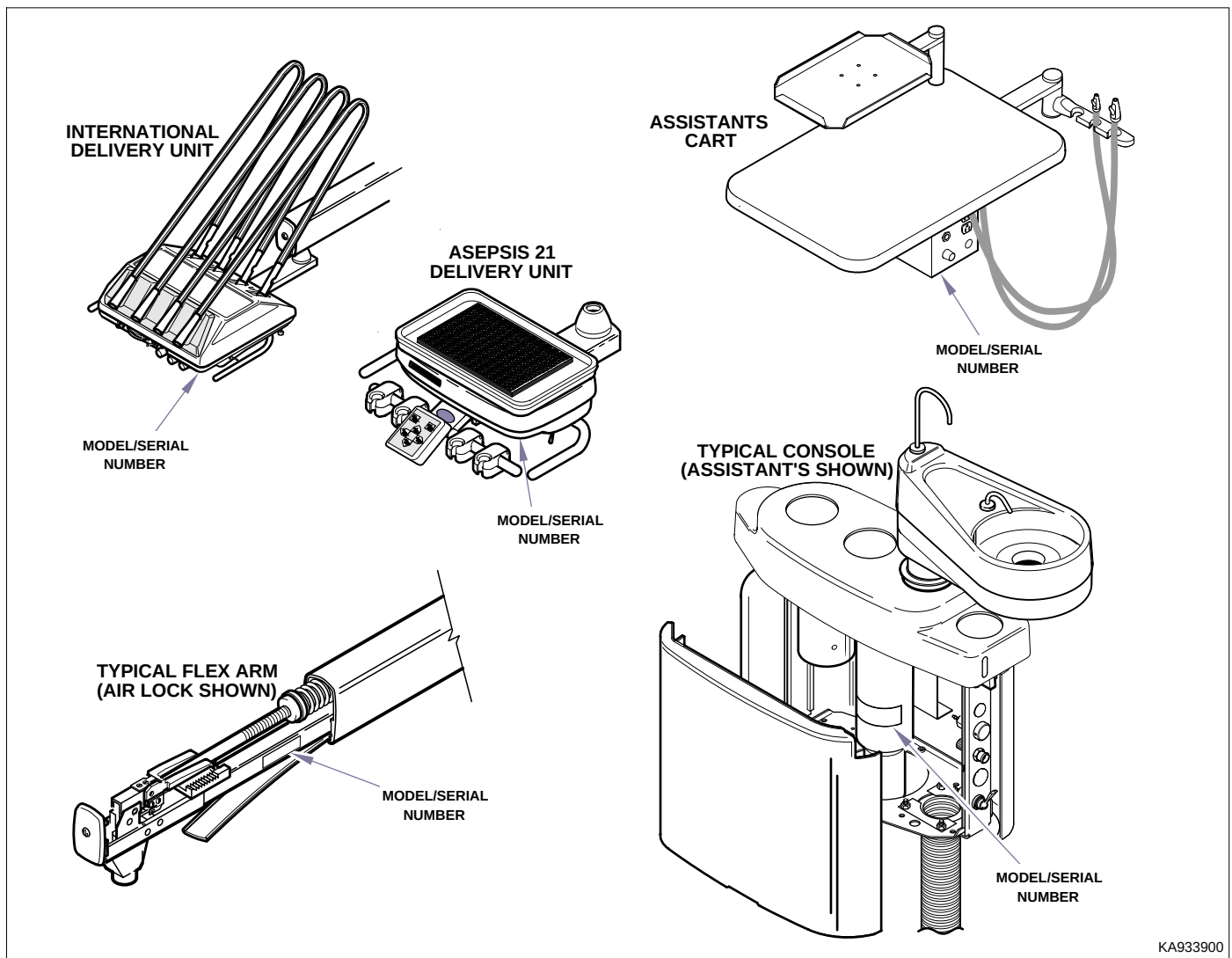


Figure 1-2. Delivery System Components Model/Serial

SECTION I GENERAL INFORMATION

1.7 Special Tools

Table 1-2 lists all of the special tools needed to repair the delivery system, how to obtain the special tools, and the purpose of each special tool.

Table 1-1. Special Tool List

Description of Special Tool	Manufacturer's Name / Address / Phone	Manufacturer's Part Number	Purpose of Special Tool
Multimeter	Commercially Available	Any Type	Used to perform continuity and voltage checks.
Torque Wrench	Commercially Available	Any Type	Used to tighten nuts or screws to specified values.

SECTION I

GENERAL INFORMATION

SECTION II TESTING AND TROUBLESHOOTING

SECTION II TESTING AND TROUBLESHOOTING

2.1 Troubleshooting Procedures

Table 2-1 is a Troubleshooting Guide to determine the cause of delivery system malfunction.

Table 2-1. Troubleshooting Guide: Delivery Head

Problem	Symptom	Probable Cause	Check	Correction
None of the handpieces or syringe(s) will function.	There is no water or air present at any of the handpieces or syringe(s).	Air on/off valve is turned off or malfunctioning.	Check that air on/off valve is turned on.	Contact licensed plumber to replace air on/off valve.
		Master on/off switch valve is turned off or malfunctioning.	Check that master on/off switch valve is turned on.	Replace master on/off switch valve if necessary.
None of the handpieces will run.	None of the handpieces will run, but coolant water and syringe water work properly.	Main air regulator turned down too low or malfunctioning.	Check that air regulator output pressure is 80 PSI.	Adjust air regulator output pressure until it is 80 PSI. If necessary, clean or replace air regulator.
		Drive air foot pedal valve in foot control is malfunctioning - stuck closed.	Check for proper air flow out of foot control when foot control pedal is depressed.	Repair damaged foot control. If necessary, replace foot control.
		Pilot operated valve block is malfunctioning or has dirt in it.	Clean valve block or replace suspect pilot operated valve block with known working valve block.	Clean pilot operated valve block; replace if necessary.
		Air tubing from pilot operated valve block to foot control to delivery head is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
	Syringe air and water work properly, but handpieces do not run or have water.	Air tubing from air regulator to foot control damaged, loose, or disconnected.	Check air tube for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
	Handpieces have water but do not run.	Drive air foot pedal valve is stuck closed.	Replace suspect foot control with known working foot control.	Clean out drive air foot pedal valve. If necessary, replace entire foot control (foot control switch valves are not available).
		Tubing for drive air from foot pedal valve to delivery head is damaged, loose, or disconnected.	Check for air leaking from tubing and check air tubing for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
One handpiece does not run; all other handpieces work properly.	One handpiece does not run or have water; all other handpieces work properly.	Handpiece on/off valve is malfunctioning - stuck open keeping kink valve "kinked".	Replace suspect handpiece on/off valve with known working on/off valve.	Replace handpiece on/off valve.
		Air actuator for handpiece is malfunctioning.	Check to see if kink valve "unkinks" when handpiece is removed from handpiece holder.	Replace air actuator.
		Tubing to handpiece on/off valve and then to air actuator is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.

SECTION II TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide: Delivery Head

Problem	Symptom	Probable Cause	Check	Correction
One handpiece does not run; all other handpieces work properly. - Continued	One handpiece does not run, but has water and coolant air; all other handpieces work properly.	Drive air flow adjustment valve has been adjusted too tightly, closing off air flow to handpiece.	Check to see if airflow has been cut off.	Loosen adjustment knob of drive air flow adjustment valve.
		Drive air tubing to handpiece position is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
No water to syringes or handpieces.	No water to handpieces or syringe, but handpieces run.	Water on/off valve is turned off or malfunctioning.	Check that water on/off valve is turned on.	Contact licensed plumber to replace on/off valve.
		Master on/off switch valve is turned off or malfunctioning.	Check to ensure master on/off switch valve is turned on.	Replace master on/off switch valve if necessary.
		City water systems only. Pilot operated valve block malfunctioning or blocked (water side only).	Check that output pressure is approximately 40 - 50 PSI.	Clean or flush out pilot operated valve block. If necessary, disassemble and clean pilot operated valve block.
		City water systems only. Water regulator setting is too low or malfunctioning.	Check that water regulator output pressure is 40 PSI.	Adjust water regulator output pressure until it is 40 PSI. If necessary, clean or replace water regulator.
		Self contained water systems only. Air regulator (to water bottle) setting is too low or malfunctioning.	Check that air regulator output pressure is 40 PSI.	Adjust air regulator output pressure until it is 40 PSI. If necessary, clean or replace air regulator.
		Self contained water systems only. Air tubing to water bottle switch valve or water bottle is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
		Self contained water systems only. Water bottle switch valve turned off or malfunctioning.	Check that water bottle switch valve (on side of console) is turned on.	Replace water bottle switch valve if necessary.
		Self contained water systems only. Bad water bottle gasket.	Check for air leaking from top of water bottle.	Replace water bottle gasket.
No water to handpiece(s), but syringe(s) work properly.	All handpieces run and syringe(s) work properly, but there is no water to any of the handpieces.	Coolant water control valve (anti-retraction valve) is stuck closed.	Replace suspect coolant water control valve with known working valve.	Replace coolant water control valve.
		Coolant water toggle valve on foot control is turned off.	Check that coolant water toggle is turned on.	Turn coolant water toggle on.
		Coolant water toggle valve on foot control is malfunctioning.	Check for water pressure at output of coolant water toggle valve.	Replace entire foot control (foot control switch valves are not available).
		Orange tubing (signal line from foot control to coolant water control valve) is twisted, pinching off airflow.	Check if stop pin in arm is damaged or missing. Check if tubing is excessively twisted or pinched.	Untwist tubing and replace stop pin in arm.

SECTION II

TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide: Delivery Head

Problem	Symptom	Probable Cause	Check	Correction
No water to handpiece(s), but syringe(s) work properly. -Continued	All handpieces run and syringe(s) work properly, but there is no water to any of the handpieces. -Continued	Water tubing from coolant water control valve to kink valves is damaged, loose, or disconnected.	Check water tube for damage, looseness, or disconnection. Check for any water leakage from tube.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
	Handpiece runs, but there is no water to handpiece. Other handpieces work correctly.	Coolant water flow adjustment valve has been adjusted too tightly, closing off water flow to handpiece.	Check to see if water flow has been cut off.	Loosen adjustment knob of coolant water flow adjustment valve.
		Drive air tubing to handpiece position is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
Water leaking from handpieces.	When removed from handpiece holder, water comes out of any handpiece without foot control pedal being depressed.	Coolant water toggle valve is malfunctioning -bleed port is clogged allowing pressure to remain in air line.	Pull off orange signal line and check for residual air pressure (residual air pressure indicates bleed port is not working).	Replace entire foot control (foot control toggle valve is not available).
		Coolant water control valve (anti-retraction valve) stuck open.	Replace with known working coolant water control valve.	Replace coolant water control valve.
		Coolant water flush valve is malfunctioning - stuck open.	Replace suspect coolant water flush valve with known working flush valve.	Replace coolant water flush valve.
		One of the coolant water flush check valves is malfunctioning - stuck open.	Check each coolant water flush check valve to see if it is stuck open.	Flush out coolant water flush check valve. Replace coolant water flush check valve if necessary.
All handpieces run, but are not working properly.	Water sputters when handpiece is used.	Air in lines.	Check for air in coolant water lines.	Depress coolant water flush valve button and hold for approximately 45 seconds.
	Water is leaking into oil jar.	Handpiece is not sealing at hose connection point, causing water to leak into exhaust hole.	Check for damaged or missing gasket in handpiece.	Replace damaged or missing gaskets.
	Water pressure at handpieces and syringes is too low.	City water systems only. Water regulator setting is too low and needs adjusted.	Check that water regulator output pressure is 40 PSI.	Adjust water regulator output pressure until it is 40 PSI. If necessary, clean or replace water regulator.
		Self contained water systems only. Air regulator (to water bottle) setting is too low and needs adjusted.	Check that air regulator output pressure is 40 PSI.	Adjust air regulator output pressure until it is 40 PSI. If necessary, clean or replace air regulator.
		Self contained water systems only. Air tubing to water bottle switch valve or water bottle is damaged or leaking.	Check air tubes for damage or looseness.	Replace damaged tubing. Reconnect any loose tubing.
		Self contained water systems only. Water tubing from water bottle to delivery head or syringe(s) is damaged or leaking.	Check water tubes for damage or looseness.	Replace damaged tubing. Reconnect any loose tubing.

SECTION II

TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide: Delivery Head

Problem	Symptom	Probable Cause	Check	Correction
All handpieces run, but are not working properly. -Continued	Water pressure at handpieces and syringes is too low. -Continued	Self contained water systems only. Water bottle switch valve is partially obstructed.	Check that water flow at output of water bottle switch is sufficient.	Replace water bottle switch-valve if necessary.
		Self contained water systems only. Bad water bottle gasket.	Check for air leaking from top of water bottle.	Replace water bottle gasket.
	While one handpiece is in use, one or more additional handpiece(s) run even though they are in handpiece holders.	Handpiece of suspect handpiece position is not stored properly in its handpiece holder - so button of handpiece on/off valve is not being depressed fully.	Check to see if a kink valve assembly of an unused handpiece is "unkinked", even though handpiece is in handpiece holder.	Make sure operators know to properly return handpieces to fully stowed position in handpiece holders.
		Handpiece on/off valve is out of adjustment and is not being activated properly when handpiece is returned to stored position in handpiece holder.	Check to see if handpiece on/off valve is activated when handpiece is inserted in handpiece holder.	Adjust handpiece on/off valve button so it properly activates when handpiece is inserted in handpiece holder.
		Handpiece on/off valve on suspect handpiece position is malfunctioning - stuck closed.	Check to see if a kink valve assembly of an unused handpiece is "unkinked", even though handpiece is in handpiece holder. Check handpiece on/off valve for proper operation.	Replace handpiece on/off valve.
		Air gage check valve of handpiece being used is malfunctioning - stuck open, allowing drive air to run other handpiece positions.	Inspect air gage check valve, of handpiece position causing the problem, to see if it is stuck open or replace suspect air gage check valve with known working check valve.	Replace air gage check valve.
		Leaking tube connector.	Check for leaks at connection point between handpiece and tube connector.	Replace tube connector.
		Kink valve of suspect position is not kinking properly.	Check to see if kink valve is leaking.	Adjust kink valve. Replace kink valve if necessary.
		Handpiece runs momentarily after it is removed from the handpiece holder even though foot control pedal is not depressed.	Pull off drive air line and check for residual air pressure (residual air pressure indicates bleed port is not working).	Replace entire foot control (drive air foot pedal valve is not available).
	Main air switch is turned off, but kink valves don't unkink.	Drive air foot pedal valve is malfunctioning - bleed port is clogged allowing pressure to remain in drive air line.	Pull off drive air line and check for residual air pressure (residual air pressure indicates bleed port is not working).	Replace entire foot control (drive air foot pedal valve is not available).

SECTION II

TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide: Delivery Head

Problem	Symptom	Probable Cause	Check	Correction
		Master on/off switch valve malfunctioning - stuck open.	Replace suspect master on/off switch valve with known working switch valve.	Replace master on/off valve.
All handpieces run, but are not working properly. -Continued	Coolant air only is not working.	Coolant air flow adjustment valve has been adjusted to tightly, closing off air flow to handpieces.	Check to see if airflow has been cut off.	Loosen adjustment knob of coolant air flow adjustment valve.
		Coolant air tubing to hand-piece positions is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
Handpieces work properly; Syringe has no air.	Syringe has no air.	Syringe air flow adjustment valve is closed too tightly.	Check syringe air flow adjustment valve for proper adjustment.	Replace syringe air flow adjustment valve if necessary.
		Syringe air tubing to syringe is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
Air/water flow adjustment valve screws will not tighten.	Adjustment screws will not tighten.	Too much plating.	—	Retap adjustment screws and screw holes.

Table 2-2. Troubleshooting Guide: Flex Arm

Problem	Symptom	Probable Cause	Check	Correction
Air lock flex arm will not lock.	Air lock flex arm will not lock.	Bread tie used for shipping not removed.	Check to see if bread tie is still in place.	Remove bread tie.
		Arm lock cylinder switch valve is malfunctioning - bleed port is clogged allowing pressure to remain in flex arm cylinder air line.	Pull off flex arm cylinder air line and check for residual air pressure (residual air pressure indicates bleed port is not working).	Replace arm lock cylinder switch valve.
		Arm lock cylinder switch valve is malfunctioning - stuck open.	Replace suspect arm lock cylinder switch valve with a known working switch valve.	Replace arm lock cylinder switch valve.
Air lock flex arm will not unlock.	Even though arm lock cylinder is energized, flex arm will not unlock.	Locking pawls in flex arm have become loose and have slipped off of arm lock cylinder pin.	Check to see if pawls are installed on arm lock cylinder pin.	Re-install locking pawls back on arm lock cylinder pin and tighten mounting hardware.
Air lock flex arm drifts.	Air lock flex arm drifts down.	Spring tension jam nut needs adjusted.	—	Tighten jam nut in arm.
	Air lock flex arm drifts up.	Spring tension jam nut needs adjusted.	—	Loosen jam nut in arm.
Arm lock cylinder switch valve makes hissing noise.	Air lock flex arm locks but air constantly leaking.	Bad bleed off valve on arm lock cylinder switch valve.	Replace suspect arm lock cylinder switch valve with known working switch valve.	Replace arm lock cylinder switch valve.
Manual flex arms only. Adjustment knob on manual lock flex arm cannot be adjusted.	—	Too much plating, causes adjustment knob to be too difficult to turn.	Check for excessive plating in adjustment knob hole.	Retap hole to clean out excess plating.

SECTION II

TESTING AND TROUBLESHOOTING

Table 2-3. Troubleshooting Guide: Cuspidor

Problem	Symptom	Probable Cause	Check	Correction
No water at cup filler and bowl rinse.	Neither cup filler or bowl rinse have water.	Pilot operated valve block malfunctioning.	Replace suspect pilot operated valve block with known working valve block.	Replace pilot operated valve block.
		Main water tubing from pilot operated valve block to cuspidor is damaged, loose, or disconnected.	Check water tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
		Water on/off valve is turned off or malfunctioning.	Check that water on/off valve is turned on.	Replace water on/off valve if necessary.
No water at cup filler.	When either cup filler button is pressed, no water comes out; bowl rinse works correctly.	Cup filler flow adjustment valve has been adjusted too tightly, closing off water to cup filler.	Check to see if water flow to cup filler has been cut off.	Loosen adjustment knob of cup filler flow adjustment valve.
		Tubing between cup filler push button valves and cup filler is damaged, loose, or disconnected.	Check water tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
No water at bowl rinse.	When bowl rinse push button is pressed, no water comes out; cup filler works correctly.	Bowl rinse push button valve is malfunctioning - stuck closed.	Replace suspect bowl rinse push button valve with known working push button valve.	Replace bowl rinse push button valve.
		Water saver control valve is stuck closed.	Replace suspect water saver control valve with known working water saver control valve.	Try to flush any debris out of valve. Replace water saver control valve if necessary.
		Air pressure from main air regulator is too low - needs adjusted.	Check to see if air pressure from main air regulator is 80 PSI.	Adjust main air regulator output pressure until it is 80 PSI. If necessary, clean or replace air regulator.
		Tubing between water saver control valve and main air regulator is damaged, loose, or disconnected.	Check air tubing for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
		Adjustable time delay bleed off valve is malfunctioning - not delaying bleed.	Check to see if air pressure remains in tubing or bleeds off immediately.	Replace adjustable time delay bleed off valve.
		Bowl rinse flow adjustment has been adjusted too tightly, closing off water to bowl rinse.	Check to see if water flow to bowl rinse has been cut off.	Loosen adjustment knob of bowl rinse flow adjustment valve.
	When bowl rinse push button is pressed, no water comes out; cup filler works correctly. -Continued	Tubing between water saver control valve and bowl rinse tube damaged, loose, or disconnected.	Check water tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
Water to bowl rinse runs continuously.	Water to bowl rinse runs continuously; cup filler works correctly.	Water saver control valve stuck open.	Replace with known working water saver control valve. Malfunctioning or dirty.	Replace water saver control valve.
		Adjustable time delay bleed off valve is malfunctioning - bleed port is clogged allowing air pressure to remain in water control saver line (after the time delay setting has passed)	Pull off adjustable time delay bleed off valve line and check for residual air pressure (residual air pressure indicates bleed port is not working).	Replace adjustable time delay bleed off valve.

SECTION II

TESTING AND TROUBLESHOOTING

Table 2-3. Troubleshooting Guide: Cuspidor

Problem	Symptom	Probable Cause	Check	Correction
Water to bowl rinse runs continuously. -Continued	Water to bowl rinse runs continuously; cup filler works correctly.-Continued	Bowl rinse push button valve is malfunctioning - stuck open.	Replace suspect bowl rinse push button valve with known working valve.	Replace bowl rinse push button valve.
Water to cup filler runs continuously.	Water to cup filler runs continuously; bowl rinse works correctly.	One of the cup filler push button valves stuck open.	Check cup filler push button valves or replace suspect cup filler push button valve with known working valve.	Replace cup filler push button valve.
Bowl rinse works when button is pressed, but does not run for desired length of time.	Bowl rinse stops immediately after button is released or does not run long enough (up to 45 seconds)	Adjustable time delay bleed off valve needs adjusted.	Adjust time delay bleed off valve.	Adjust set screw of time delay bleed off valve under cuspidor.
		Adjustable time delay bleed off valve is malfunctioning - bleed port is open allowing pressure to escape from water control saver line too quickly.	Replace suspect adjustable time delay bleed off valve with known working bleed off valve.	Replace adjustable time delay bleed off valve.

Table 2-4. Troubleshooting Guide: Assistant's Console

Problem	Symptom	Probable Cause	Check	Correction
No water to syringe and water quick connect.	No water is present at syringe and water quick connect.	Air or water on/off valves are turned off or are malfunctioning.	Check that air or water on/off valves are turned on.	Replace air or water on/off valves if necessary.
		Master on/off switch valve is turned off or malfunctioning.	Check to ensure master on/off switch valve is turned on.	Replace master on/off switch valve if necessary.
		City water systems only. Pilot operated valve block malfunctioning or blocked (water side only).	Check that output pressure is approximately 40 - 50 PSI.	Clean or flush out pilot operated valve block. If necessary, disassemble and clean pilot operated valve block.
		City water systems only. Water regulator setting is too low or malfunctioning.	Check that water regulator output pressure is 40 PSI.	Adjust water regulator output pressure until it is 40 PSI. If necessary, clean or replace water regulator.
		Distilled water systems only. Water bottle is empty.	Check that there is water in water bottle.	Fill water bottle with distilled water.
		Distilled water systems only. Air regulator (to water bottle) setting is too low or malfunctioning.	Check that air regulator output pressure is 40 PSI.	Adjust air regulator output pressure until it is 40 PSI. If necessary, clean or replace air regulator.
		Distilled water systems only. Air tubing to water bottle switch valve or water bottle is damaged, loose, or disconnected.	Check air tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.

SECTION II TESTING AND TROUBLESHOOTING

Table 2-4. Troubleshooting Guide: Assistant's Console

Problem	Symptom	Probable Cause	Check	Correction
No water to syringe and water quick connect. -Continued	No water is present at syringe and water quick connect. -Continued	Tubing between manifold or distilled water bottle and syringe is damaged, loose, or disconnected.	Check water tubes for damage, looseness, or disconnection.	Replace damaged tubing. Reconnect any loose or disconnected tubing.
		Distilled water systems only. Water bottle switch valve turned off or malfunctioning.	Check that water bottle switch valve (on side of console) is turned on.	Replace water bottle switch-valve if necessary.
		Distilled water systems only. Bad water bottle gasket.	Check for air leaking from top of water bottle.	Replace water bottle gasket.
		Syringe water flow adjustment valve has been adjusted too tightly, closing off water to syringe.	Check to see if water flow to syringe has been cut off.	Loosen adjustment knob of syringe water flow adjustment valve.
		Distilled water systems only. Water bottle switch valve turned off or malfunctioning.	Check that water bottle switch valve (on side of console) is turned on.	Replace water bottle switch-valve if necessary.
		Distilled water systems only. Bad water bottle gasket.	Check for air leaking from top of water bottle.	Replace water bottle gasket.

SECTION III

SCHEDULED MAINTENANCE

3.1 Scheduled Maintenance

periodically on the delivery system. These inspections and services should be performed as often as indicated in the chart.

Table 3-1 is a Scheduled Maintenance Chart which lists the inspections and services that should be performed

Table 3-1. Scheduled Maintenance

Interval	Inspection or Service	What to Do
Semi-annually	Obvious damage	Visually check condition of delivery system for obvious damage such as: cracks in components, missing components, dents in components, or any other visible damage which would cause the delivery system to be unsafe to operate or would compromise its performance. Repair delivery system as necessary.
	Fasteners / hardware	Check delivery system for missing or loose fasteners / hardware. Replace any missing hardware and tighten any loose fasteners as necessary.
	Warning and instructional decals	Check for missing or illegible decals. Replace decals as necessary.
	Tubing Connections	Remove covers and check for loose tubing connections. Reconnect tubing as necessary.
	Damaged Tubing	Check handpiece and syringe tubing for air/water leaks or other visible damage. Remove covers and check internal tubing for air/water leaks or other visible damage. Replace damaged tubing as necessary.
	Kink Valves	Remove delivery head cover and check kink valves for proper operation. No air/water leaks should be apparent. Replace kink valve(s) as necessary. Refer to para 4.5.
	Regulator Valves	Check that water regulator valve(s) are set at 40 PSI and air regulator valve is set at 80 PSI. Adjust regulator valves as necessary.
	Air Lock Flex Arm	Check that air lock flex arm will not move downward when air lock switch is ON. Replace or adjust any malfunctioning components.
	Manual Flex Arm	Check that manual lock flex arm will not move up or down when friction knob is tightened. Replace or adjust any malfunctioning components
	Cuspidor Bowl Flush Valve	Check that cuspidor bowl rinse faucet runs for the desired length of time when cuspidor flush button is pressed. Adjust flush time if necessary. Refer to para 4.9.
	Illuminated Handpieces (optional)	Check that bulbs are working. Check voltage at power pack (3.2 V should be present). Replace any malfunctioning components as necessary.
	Heated Syringe (optional)	Check that heated syringe is working properly. Syringe should heat up in approx. 30 seconds. Check resistance across molex connector. Resistance must be 10±1 ohms @ 77° F (25°C). Replace any malfunctioning components as necessary.

**SECTION IV
MAINTENANCE / SERVICE INSTRUCTIONS**

The following paragraphs contain basic removal, installation, repair, and adjustment procedures for the delivery system.

General Safety Procedures**4.1 Disabling Unit For Repair****A. Electrical Power Disconnection****WARNING**

To prevent the possibility of electric shock, **always** disconnect power cord from electrical outlet before removing covers/shrouds or making any repairs. Failure to comply with these instructions could result in severe personal injury or death.

NOTE

Figure 4-1 shows the Asepsis 21 Delivery Unit. Figure 4-2 shows the International Delivery unit.

- (1) Disconnect delivery unit power cord (1, Figure 4-1 **or** 4-2) from wall outlet.

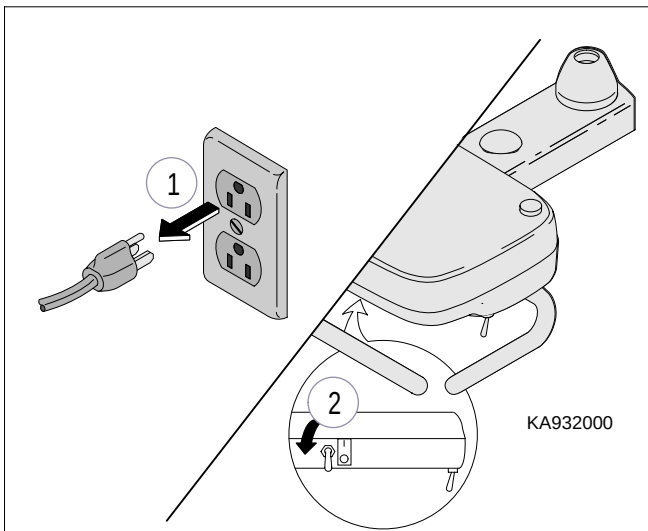


**Figure 4-1. Disabling Unit For Repair
(Asepsis 21 Delivery Unit)**

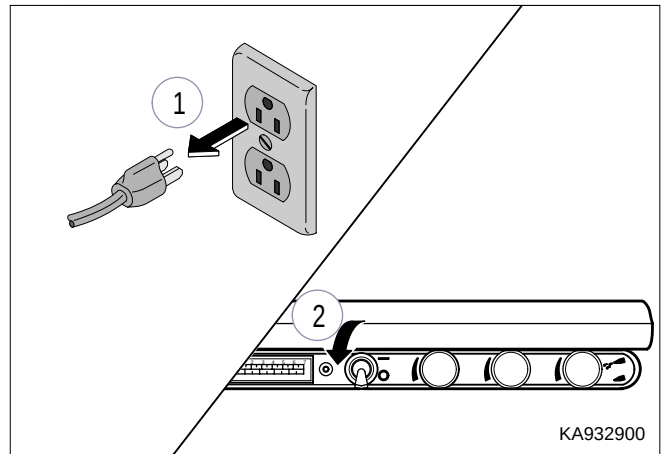


**Figure 4-2. Disabling Unit For Repair
(International Delivery Unit)**

B. Air/Water Pressure Deactivation**NOTE**

If the Master ON/OFF switch (2) is left in the ON position, air and water pressure will be present in tubing.

- (1) Turn Master ON/OFF switch (2) to the OFF position.

Tubing & Connectors**4.2 Typical Tubing Disconnection/Connection****A. Disconnection**

- (1) Slide collar of uni-clamp (1, Figure 4-3) away from fitting (2) as shown.
- (2) Disconnect tubing (3) by gently pulling away from fitting (2).
- (3) Remove uni-clamp (1) from tubing (3) and set aside for later use.

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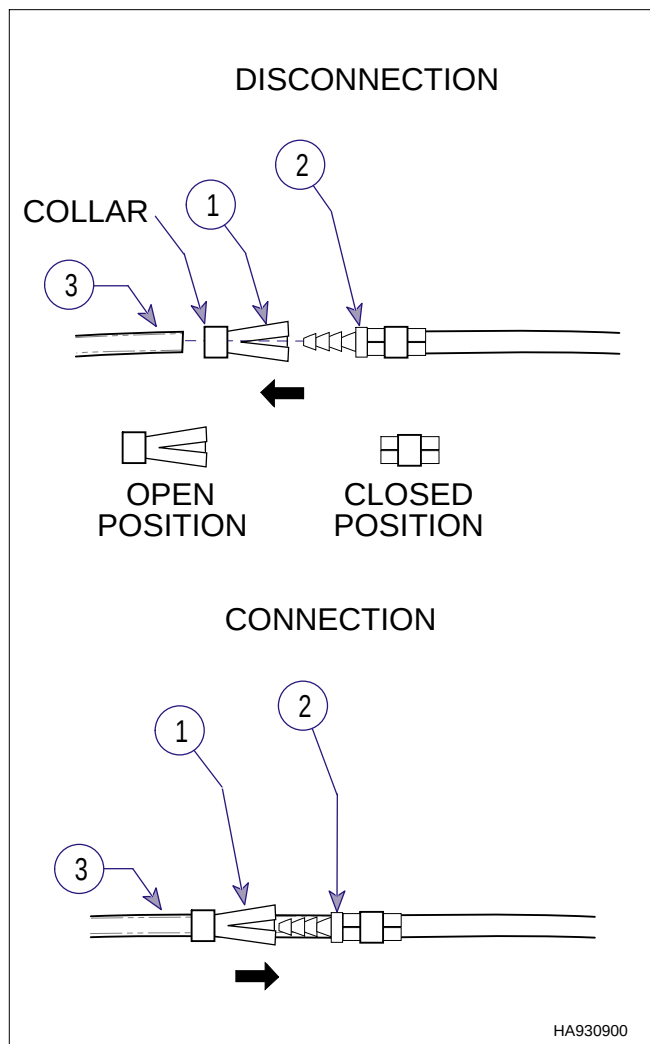


Figure 4-3. Typical Tubing Disconnection/Connection

B. Connection

- (1) Slide collar of uni-clamp (1) so that it is in the "open" position as shown.
- (2) Slide uni-clamp (1) (collar end first) onto tubing (3).
- (3) Push tubing (3) onto fitting (2); then slide uni-clamp (1) forward over the fitting.
- (4) Slide collar of uni-clamp (1) toward fitting (2) until it is in the "closed" position.

Delivery Head

4.3 Asepsis 21 Delivery Head Cover Removal

A. Removal

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Remove outer cover (1, Figure 4-4). *[This cover is held on w/magnets; no tools are required].*



EQUIPMENT ALERT

When performing the following step, do not attempt to completely remove the inner cover. The adjustment valves on the inner cover are attached to the tubing. Failure to comply could result in accidental disconnection or damage to tubing.

- (3) Remove thumbscrew (2) and thumbscrew (3) from delivery head assembly; then partially separate inner cover (4) to access internal components.

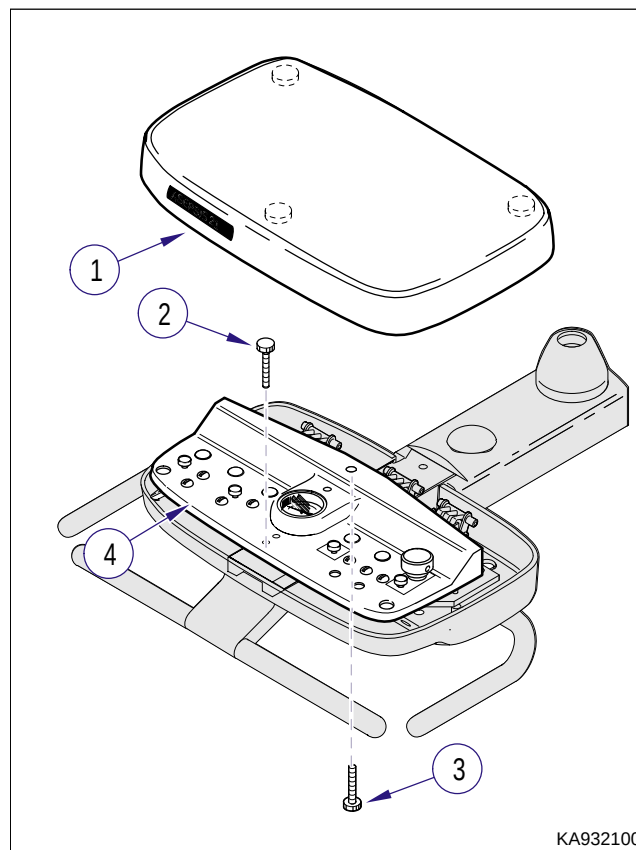


Figure 4-4. Asepsis 21 Delivery Head Cover Removal

4.4 International Delivery Head Cover Removal**A. Removal**

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Remove instrument pad (1, Figure 4-5). *[The instrument pad is pressure fit onto two studs; no tools are required].*
- (3) Remove four screws (2) and delivery head cover (3).

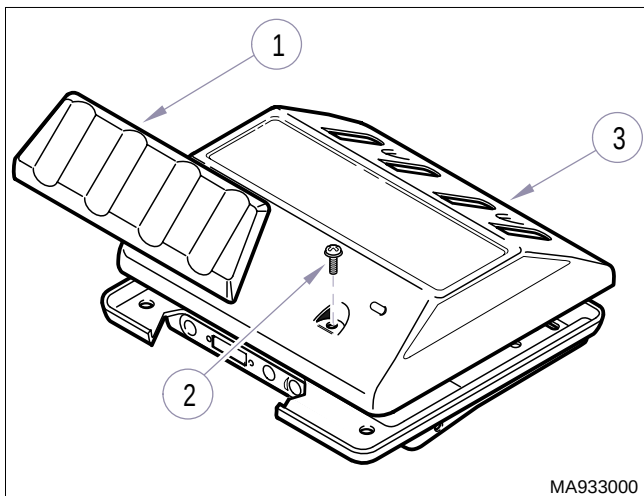


Figure 4-5. International Delivery Head Cover Removal

4.5 Typical Kink Valve Assembly Removal/Installation**A. Removal**

- (1) Remove delivery head cover. (Refer to para 4.3 **or** 4.4).

NOTE

The Asepsis 21 Delivery Unit is shown in Figure 4-6. The kink valve removal/installation procedure for the International Delivery Unit is similar .

- (2) Tag and disconnect all tubing (1, Figure 4-6) from kink valve assembly (2).

**EQUIPMENT ALERT**

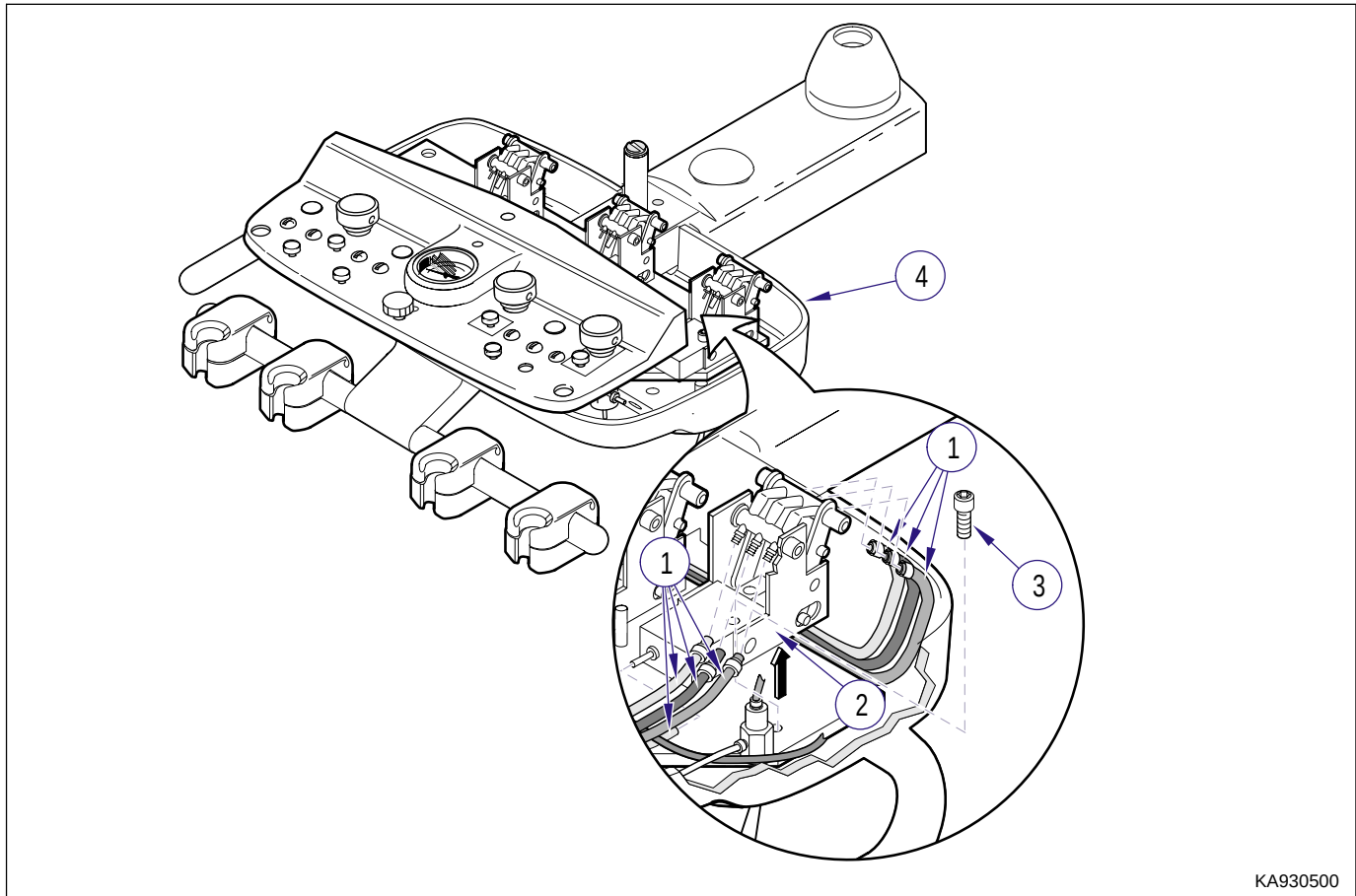
On International Delivery Units, the kink valves are mounted to spacer blocks instead of the lower housing. Do not remove the spacer block when replacing the kink valve. Removing the spacer block will release the whip spring.

- (3) Remove screw (3) and kink valve assembly (2) from lower housing (4).

B. Installation

- (1) Install kink valve assembly (2) and secure to lower housing (4) with screw (3).
- (2) Connect all tubing (1) to kink valve assembly (2).
- (3) Install delivery head cover. (Refer to para 4.2 **or** 4.3)

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KA930500

Figure 4-6. Typical Kink Valve Removal/Installation (Asepsis 21 Delivery Unit shown)

4.6 Delivery System Purge/Test Procedure

A. Purging/Testing the System

NOTE

The Asepsis 21 delivery unit is shown in the illustrations. The purging/testing procedure for the International delivery unit is similar.

- (1) Before connecting handpieces, turn on the air, water, and vacuum utilities to the junction box (1, Figure 4-7).

- (2) Open air and water shut-off valves (2) in junction box (1).

NOTE

Steps 3 and 4 apply only to units with the Self Contained Water System.

- (3) Open air regulator valve (3) for water bottle (4).
- (4) Fill water bottle (4) with distilled water.
- (5) Turn Master ON/OFF switch (5) on delivery head to the ON position.

NOTE

International Delivery Units: The adjustment knobs on the International delivery head are located on the lower front and bottom rear of the delivery head. It is not necessary to remove the delivery head cover in the following step.

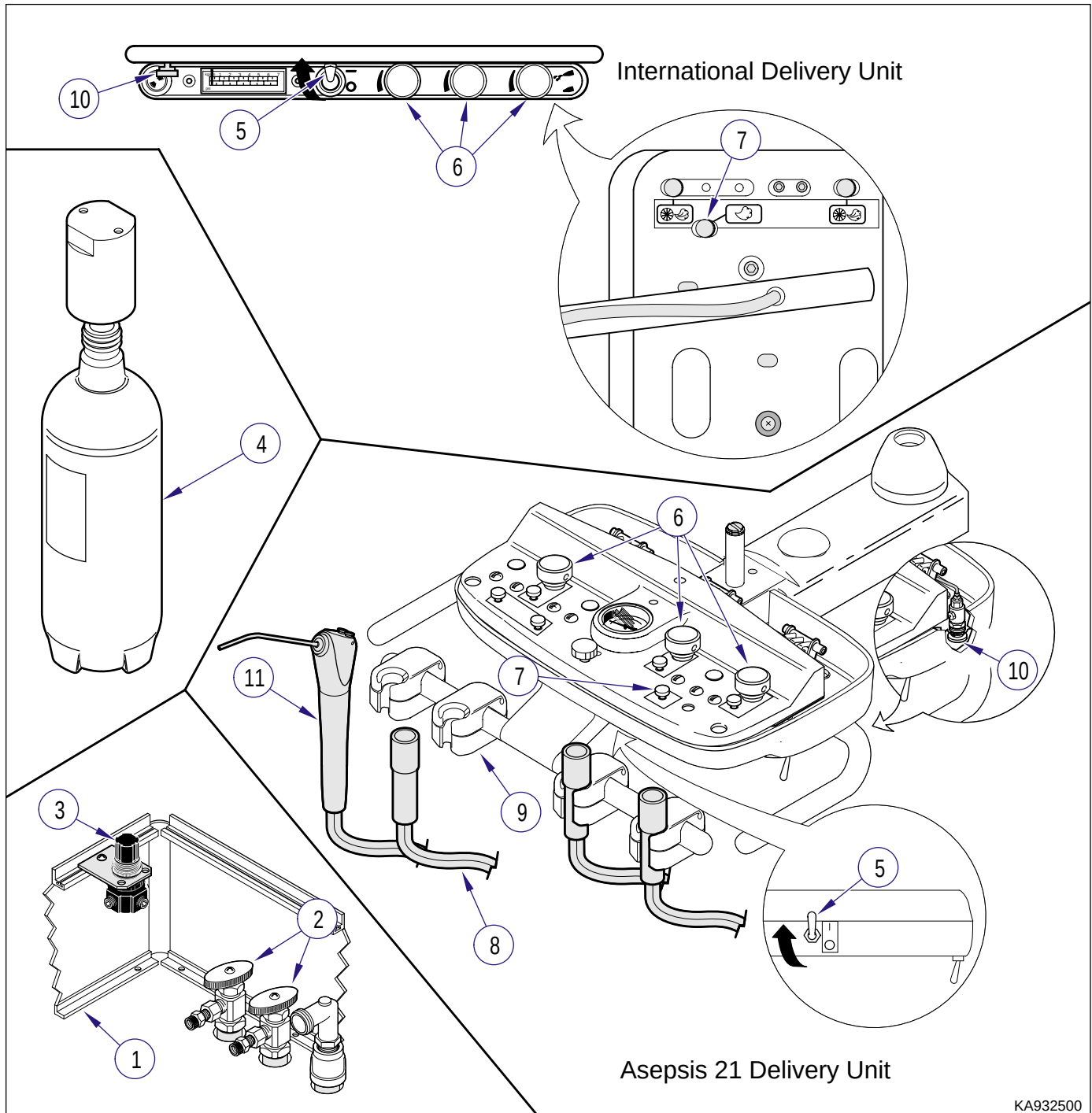


Figure 4-7. Delivery System Purge/Test Procedure

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- (6) Remove delivery head cover. (Refer to para 4.3).
- (7) Turn the coolant water volume knobs (6) and coolant air volume knob (7) completely open.
- (8) Remove one handpiece hose (8) from holder (9).
- (9) Depress foot control to operate coolant water and drive air for approximately 30 seconds.
- (10) Depress coolant water flush button (10) and hold for 30 seconds.
- (11) Repeat steps 8 thru 10 with each handpiece hose.
- (12) Operate air and water for doctor's syringe (11) and assistant's syringe (optional item - not shown) for approximately 30 seconds.
- (13) Install handpieces and set coolant water volume knobs (6) and coolant air volume knob (7) to desired position.

Cuspidor

4.7 Cuspidor Bowl Removal

A. Removal

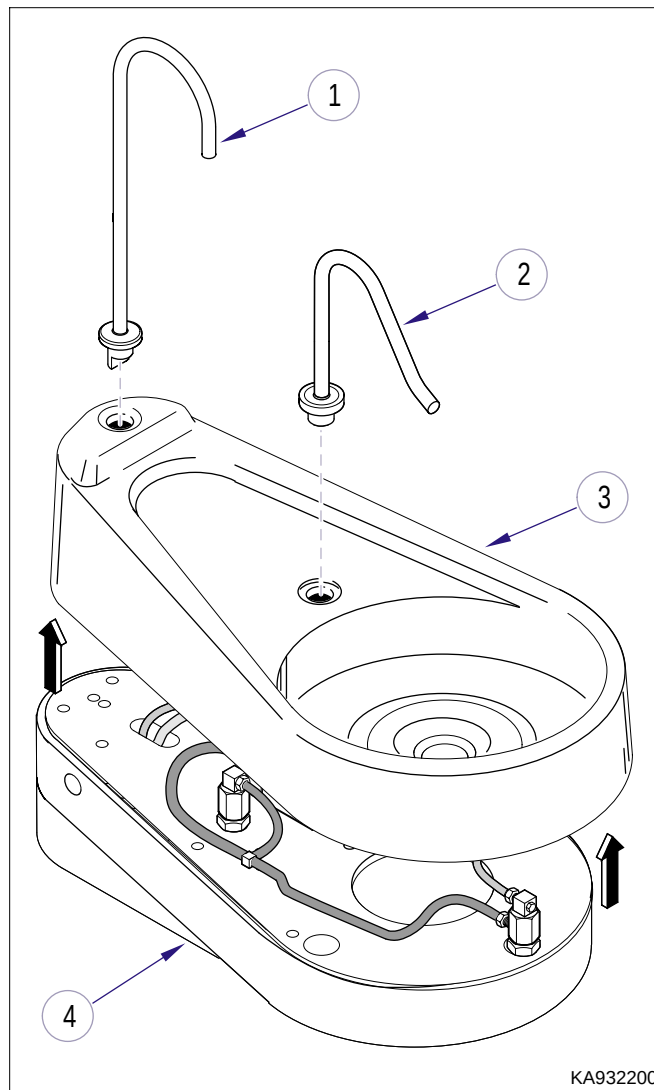
- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Remove cup filler tube (1, Figure 4-8) and bowl rinse tube (2) from cuspidor. *[The cup filler tube and bowl rinse tube are pressure fit; no tools are required].*



EQUIPMENT ALERT

The cuspidor bowl (3) is pressure fit to the lower housing (4) and may be very tight. Use caution when performing the following step to prevent damage to the cuspidor.

- (3) Remove cuspidor bowl (3) from lower housing (4). *[The cuspidor bowl is pressure fit to the lower housing; no tools are required].*



KA932200

Figure 4-8. Cuspidor Bowl Removal

4.8 Cuspidor Water Valve Removal / Installation

A. Removal

- (1) Remove cuspidor bowl. (Refer to para 4.7).
- (2) Tag and disconnect tubing (1, Figure 4-9) from water valve (2). *[Be sure tubing clamps remain on tubing; they will be used when new valve is installed].*
- (3) Remove screw (3) and water valve (2).

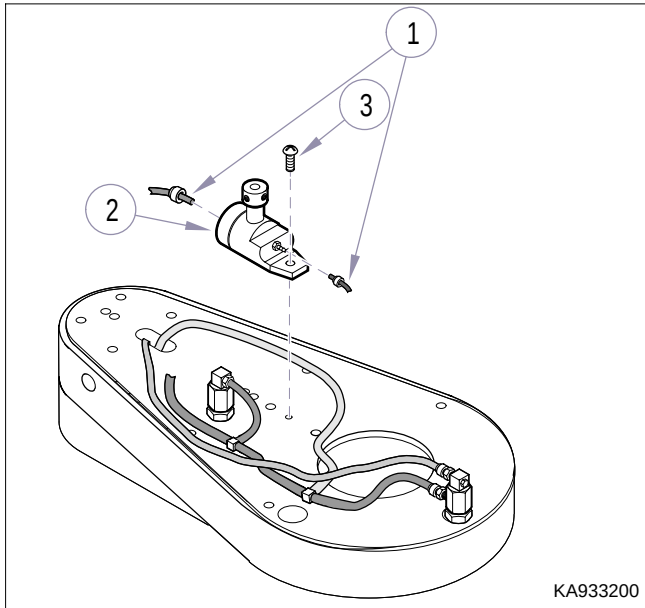


Figure 4-9. Cuspidor Water Valve Removal/Installation

B. Installation

- (1) Install water valve (2) and secure with screw (3).
- (2) Connect tubing (1) to water valve (2). *[Use tubing clamps to secure tubing to water valve fittings].*
- (3) Install cuspidor bowl.

4.9 Cuspidor Bowl Flush Valve Adjustment

A. Adjustment

NOTE

This procedure adjusts the length of time that the cuspidor bowl rinse faucet runs after the flush button is pressed. (Factory setting: 20 seconds).

- (1) Insert a large flat-headed screwdriver thru hole (A, Figure 4-10) in lower housing (1).

- (2) To **increase** cuspidor flush time:
Turn bowl flush adjuster (2) *counterclockwise*.

To **decrease** cuspidor flush time:
Turn bowl flush adjuster (2) *clockwise*.

- (3) Press flush button (3). Repeat procedure until desired flush time is achieved.

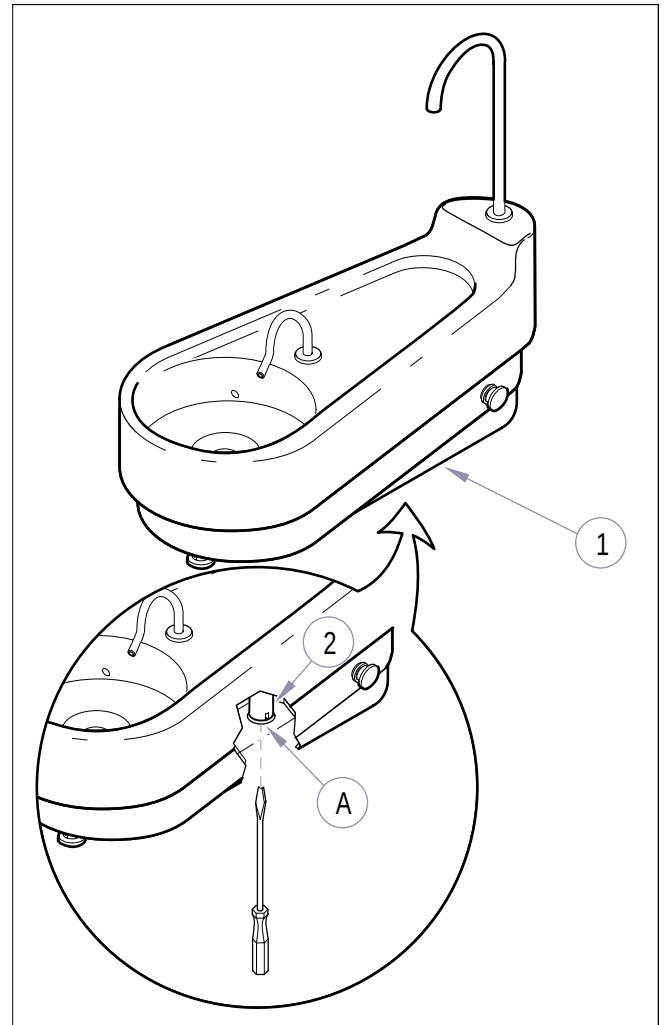


Figure 4-10. Cuspidor Bowl Flush Valve Adjustment

SECTION IV MAINTENANCE / SERVICE

Console

4.10 Console Cover Removal

A. Removal

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Loosen thumbscrew (1, Figure 4-11); then remove console cover (2) by pulling bottom of cover out and down (as shown).

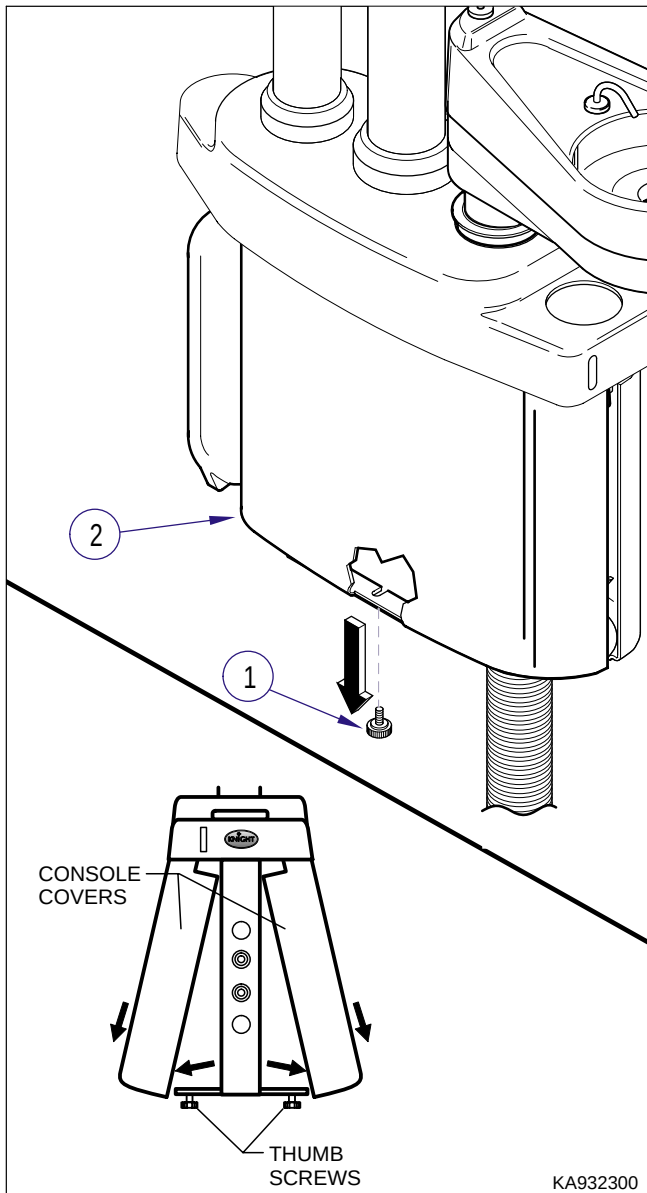


Figure 4-11. Console Cover Removal

Carts & Side/Rear Delivery Systems

4.11 Asepsis 21 Duo/Assistant's Housing Cover Removal

A. Removal

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Loosen four thumbscrews (1, Figure 4-12); then remove side panel (2).
- (3) Repeat for opposite side if necessary.

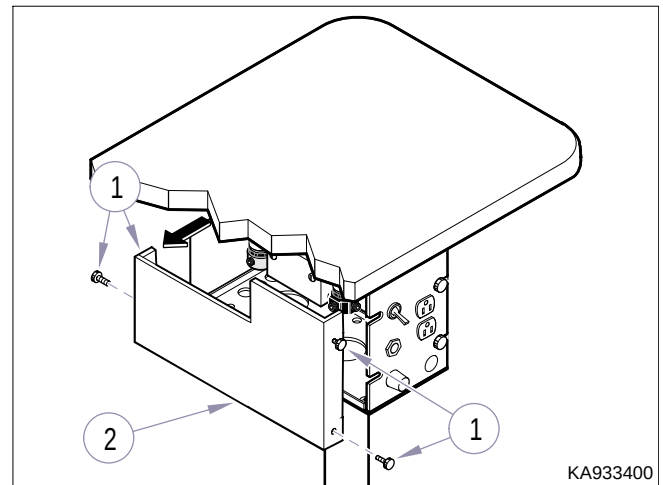


Figure 4-12. Asepsis 21 Duo/Assistant's Housing Cover Removal

4.12 Cart Assembly Caster Removal/Installation

A. Removal

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Carefully lay cart on its side.
- (3) Remove caster (1, Figure 4-13) from base (2). *[Casters are pressure fit; no tools are required].*

B. Installation

- (1) Insert stem of caster (1) into base (2) and apply pressure until caster snaps into place.

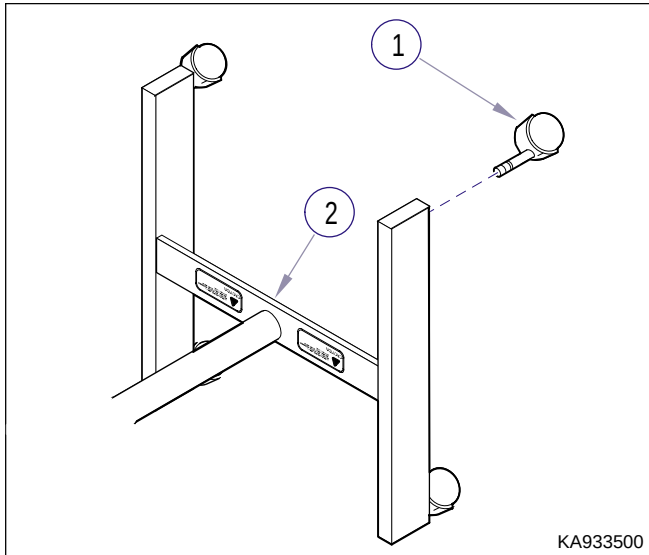


Figure 4-13. Cart Assembly Caster Removal/Installation

Arm Assemblies**4.13 Flex Arm Cover Removal****A. Removal**

- (1) Disable unit for repair. (Refer to para 4.1).

NOTE

The following step refers to Manual Lock Flex Arm only.

- (2) Unscrew knob (1, Figure 4-14); then remove knob and washer (2) .
- (3) Remove screw (3) and end cap (4).
- (4) Remove flex arm cover (5).

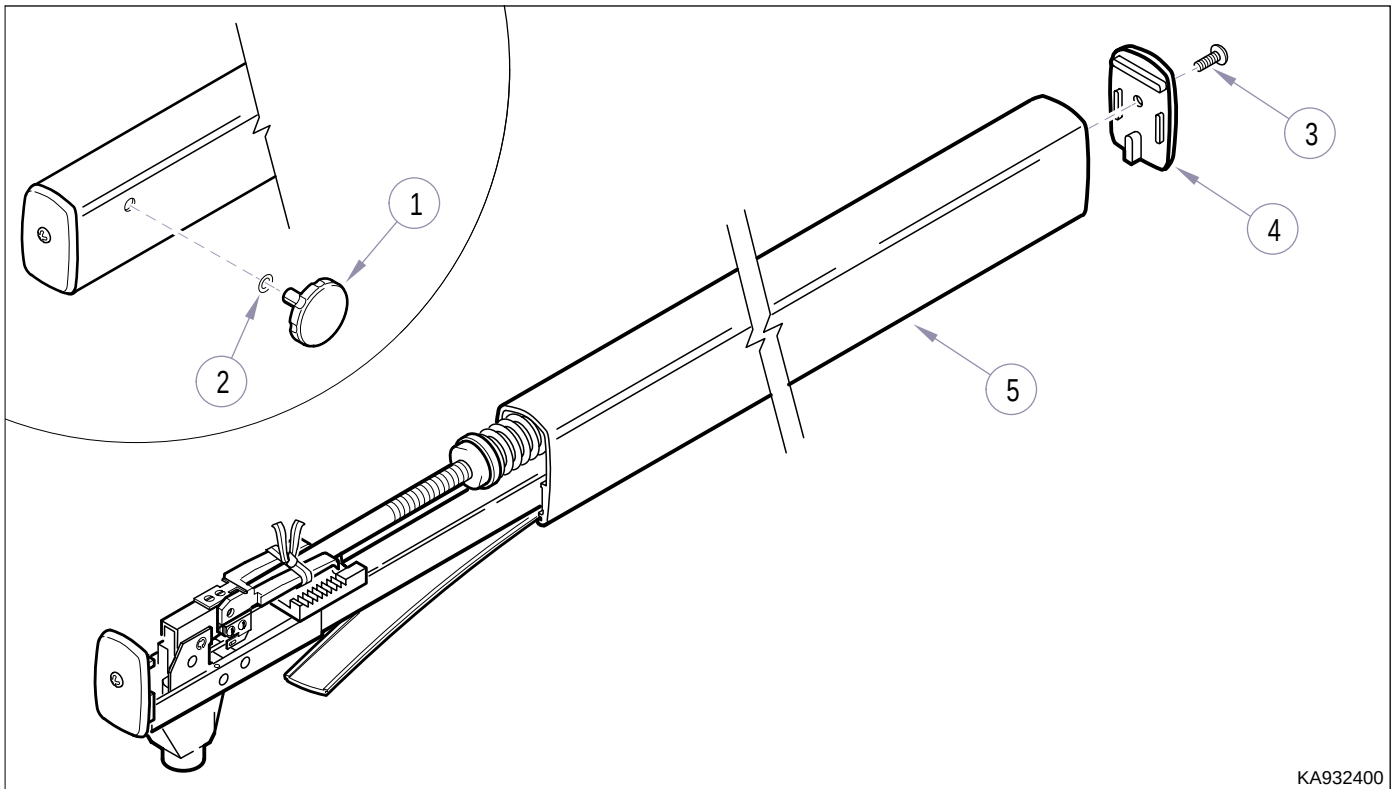


Figure 4-14. Flex Arm Cover Removal

SECTION IV MAINTENANCE / SERVICE

Junction Box

4.14 Junction Box Cover Removal

A. Removal

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Remove four thumbscrews (1, Figure 4-15) and junction box cover (2).

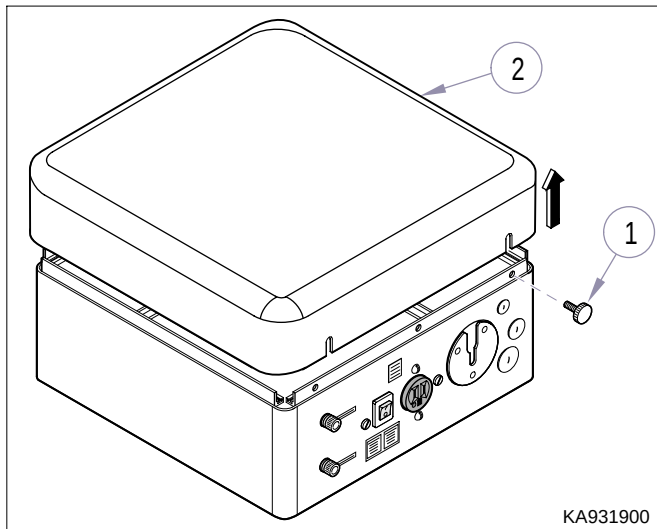


Figure 4-15. Junction Box Cover Removal

4.15 Typical Valve Block Removal

A. Removal

- (1) Disable unit for repair. (Refer to para 4.1).
- (2) Remove junction box cover. (Refer to para 4.14).

NOTE

Depending upon unit configuration, the number of tubing connections at the valve block may vary. Disconnect all tubing from the valve block when performing the following step.

- (3) Disconnect all tubing (1, Figure 4-16) from valve block assembly (2).
- (4) Remove two screws (3) and valve block assembly (2) from junction box.

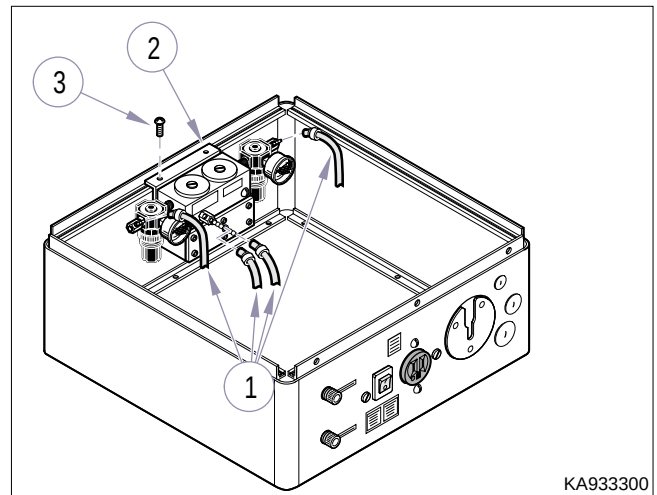


Figure 4-16. Typical Valve Block Removal

SECTION IV MAINTENANCE / SERVICE

Alternative Handpiece Installation

4.16 LareS® Handpiece Tubing Installation

A. Removal of Existing Handpiece Tubing

- (1) Disconnect three handpiece tubes (1, Figure 4-17) from kink valve (2).
- (2) Disconnect 1/8" orange tube (3) from kink valve (2).
- (3) Disconnect two pieces of 1/8" orange tubing (4) from 1/8" orange tube (3); then insert straight barb fitting (5).

- (4) Disconnect two pieces of 1/8" clear tubing (6) from 1/8" clear tube (7); then insert straight barb fitting (8).

NOTE

If removing 3-port tubing, the following Removal step is not necessary. Go to Installation procedure.

- (5) Disconnect handpiece tube (9) from 1/4" clear exhaust tube (10).

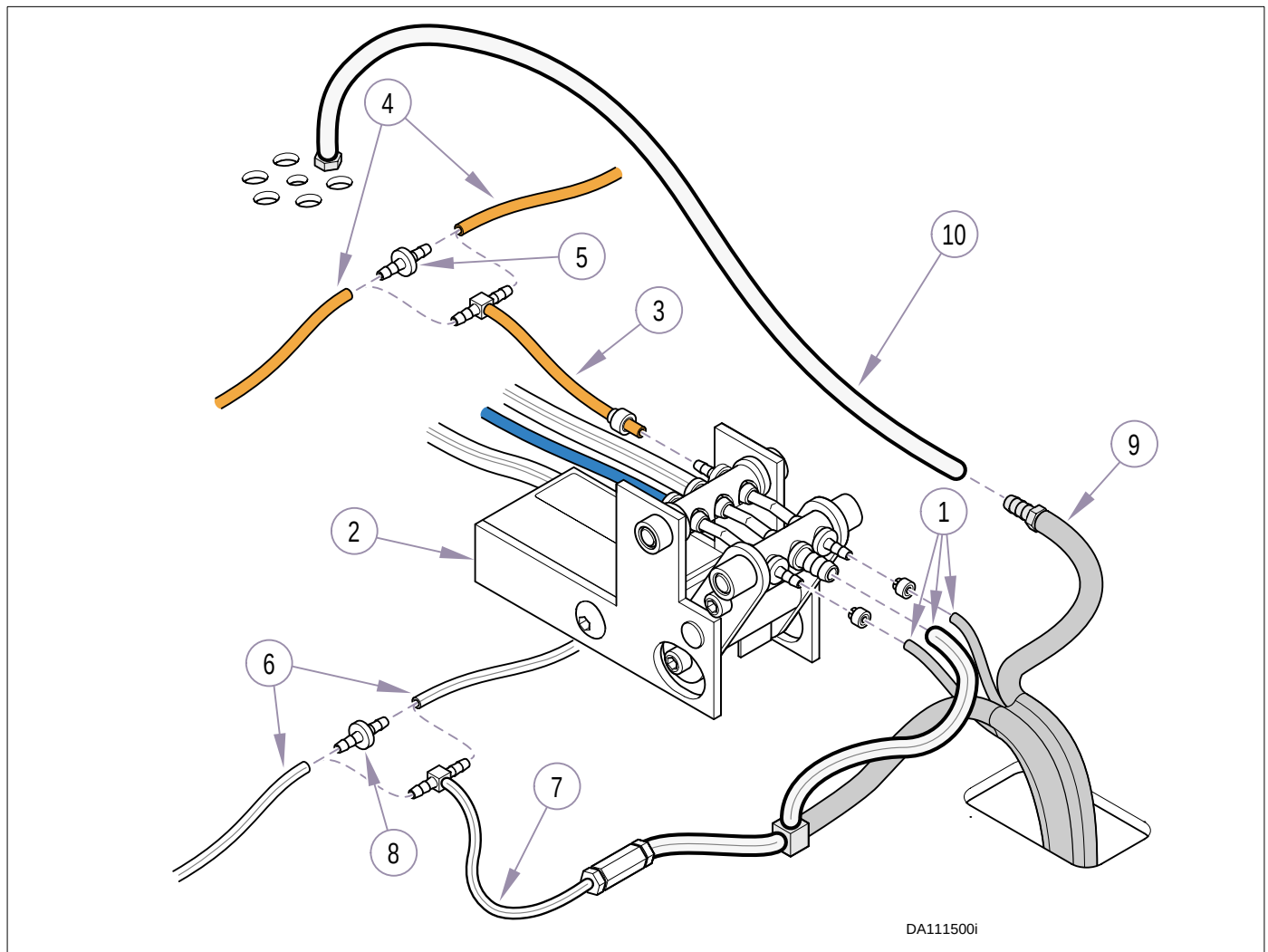


Figure 4-17. Removal of Existing Handpiece Tubing

SECTION IV MAINTENANCE / SERVICE

B. Installation of Lares® Handpiece Tubing

- (1) Route Lares® tubing (1, Figure 4-18) up thru hole in delivery unit; then connect 1/4" clear tube (2) to kink valve (3) as shown.
- (2) Install uni-clamp (4) onto 1/8" blue tube (5) and connect to kink valve (3) as shown.
- (3) Install a 1/8" to 1/4" barb fitting (6) into 1/8" clear tube (7); then connect to 1/4" clear exhaust tube (8).

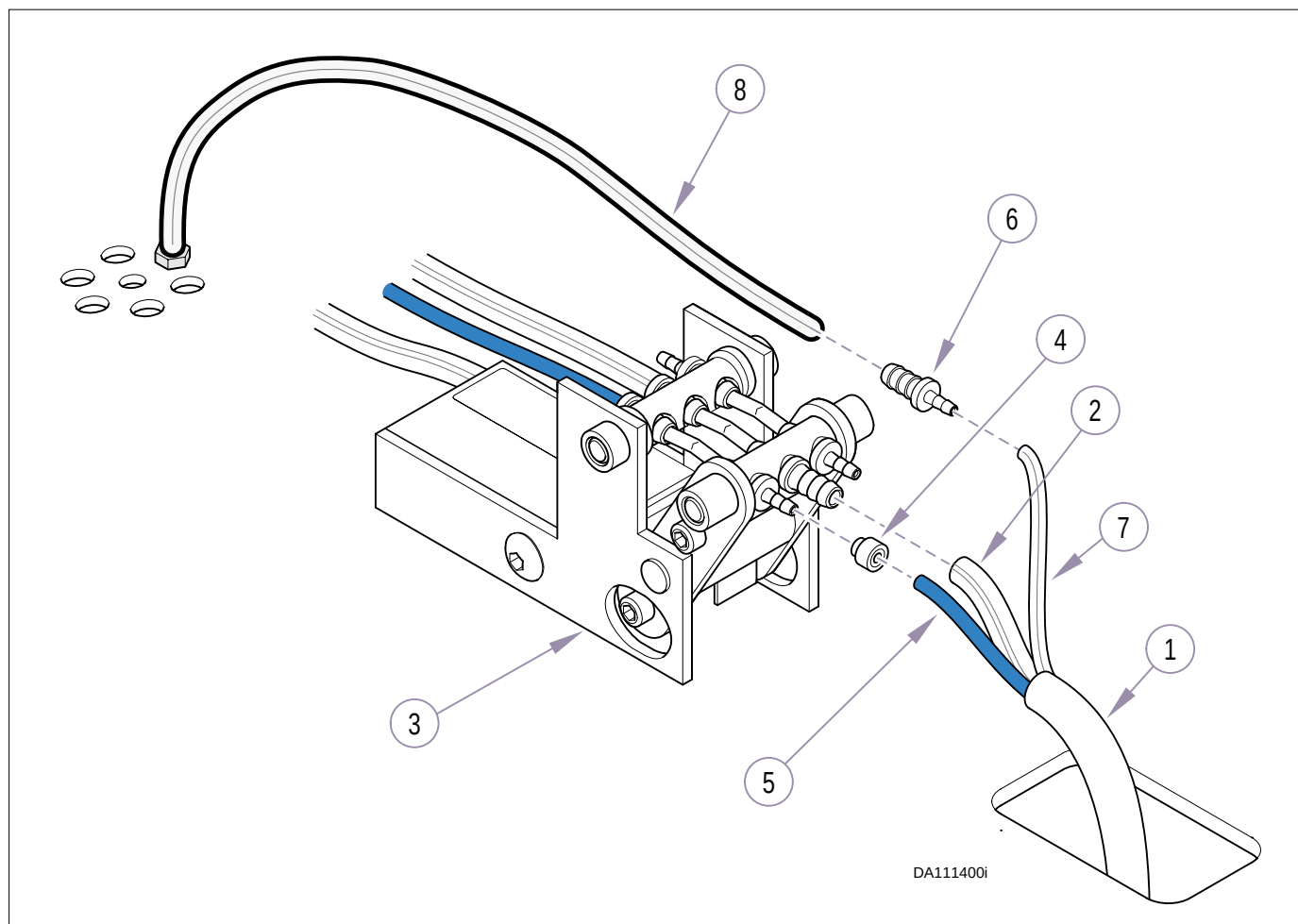


Figure 4-18. Lares® Handpiece Tubing Installation

**SECTION V
SCHEMATICS AND DIAGRAMS****5.1 Electrical Schematics / Wiring
Diagrams**

Figures 5-1 thru 5-8 illustrate the air / water flow from the main air / water connections thru all valves / components of the delivery system. The systems shown in these figures contain optional components which may not be present in all delivery systems (ex. cuspidor, console, etc.).

NOTE

Components such as the cuspidor, console, etc. are optional. Not all delivery systems have every section shown in the illustrations, but the air / water flow is similar.

Figures 5-9 thru 5-16 illustrate typical tubing connections within the major components of the delivery system. Tubing connections may vary slightly depending on which optional components are included.

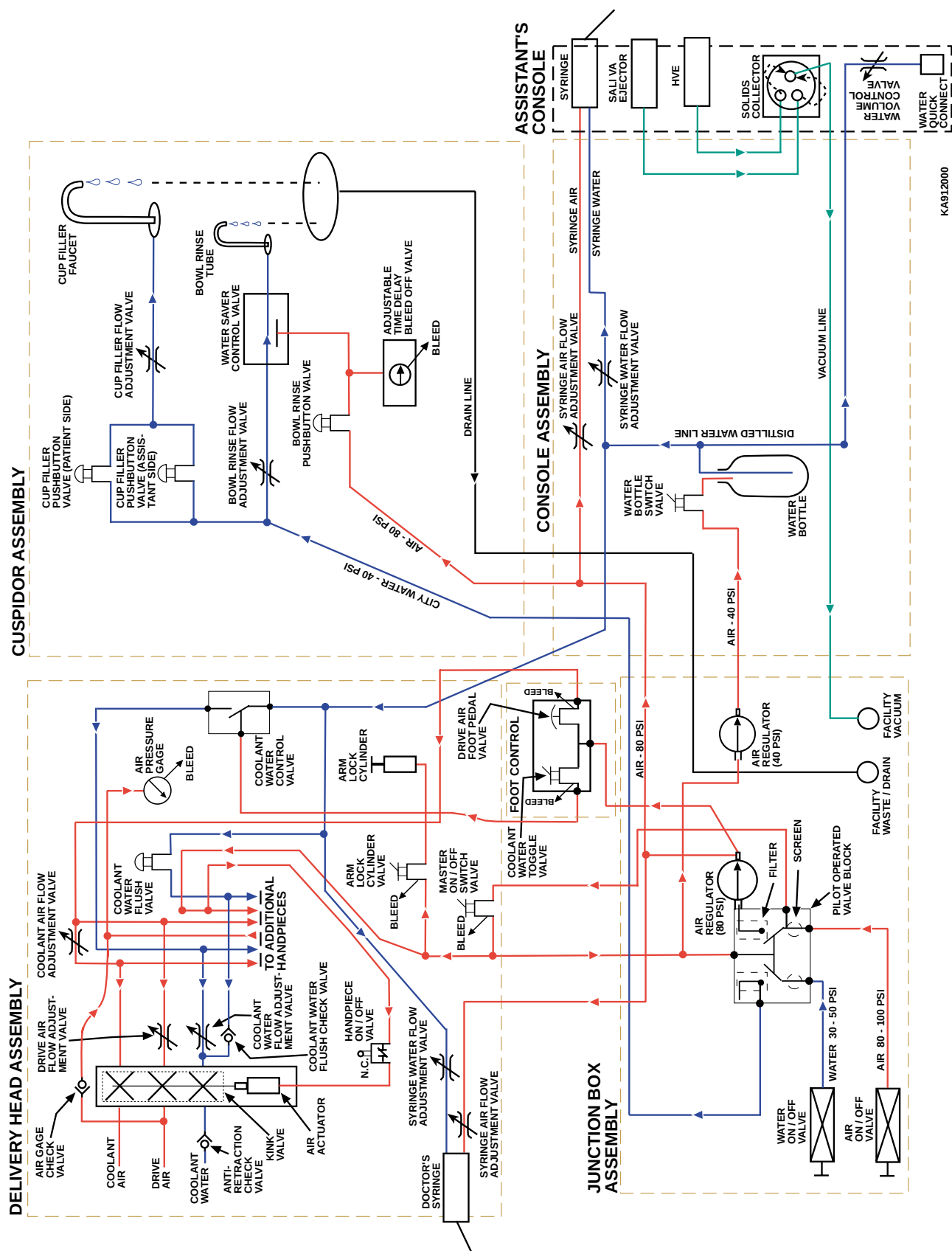
NOTE

Figures 5-9 thru 5-16 illustrate typical tubing connections **within** the major components of the delivery system. There may be variances in the tubing connections **between** the major components as this is done by the technician during installation.

Figures 5-17 thru 5-20 illustrate typical wiring connections within the major components of the delivery system. Wiring connections may vary slightly depending on which optional components are included.

Figures 5-21 thru 5-22 illustrate the air / water flow, and wiring connections for optional accessories.

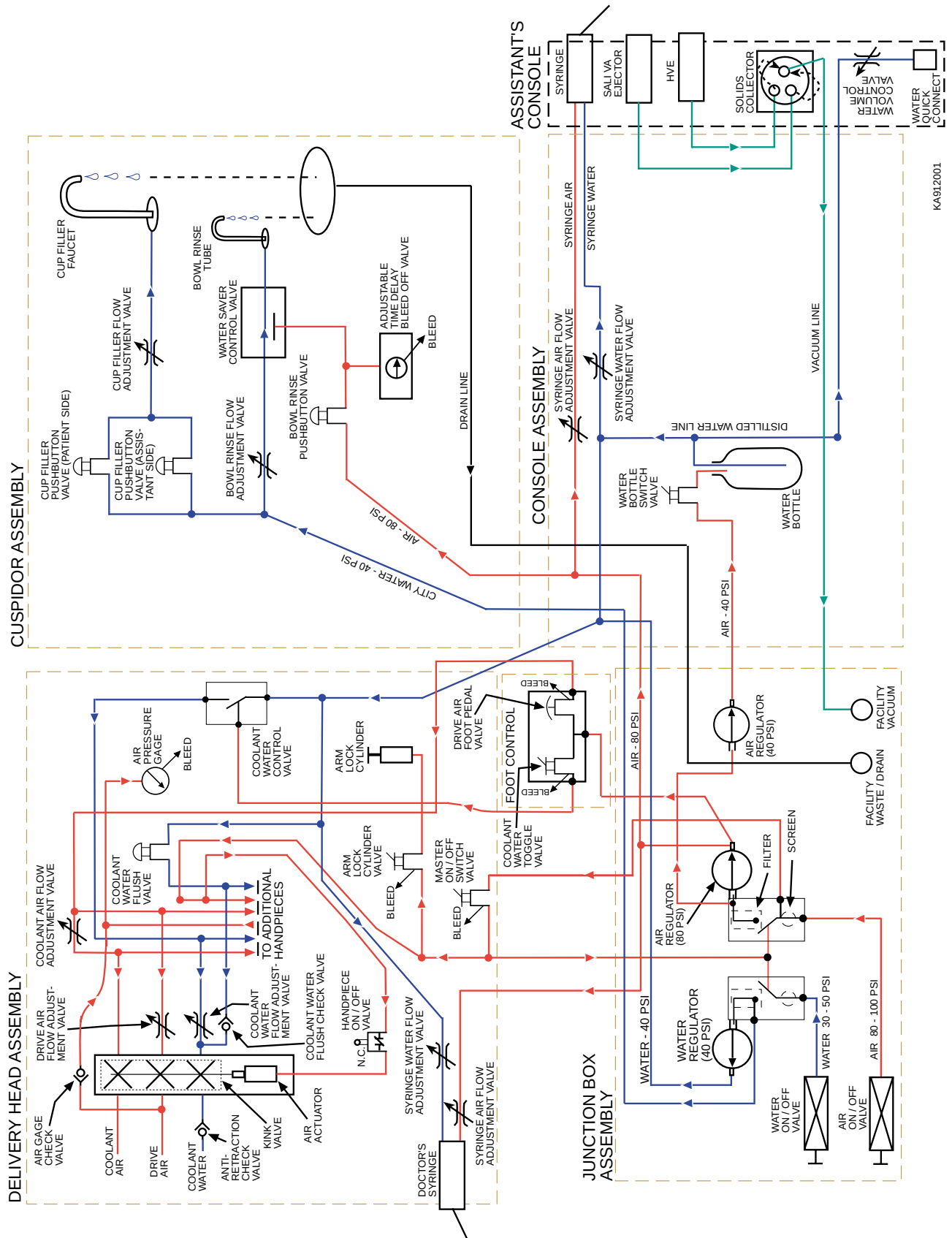
SECTION V SCHEMATICS AND DIAGRAMS



KA912000

Figure 5-1. Flow Schematic - Asepsis Chair Mounted Delivery Unit (w/Self Contained Water System)
[Units UA, UC, UK, & UW built from 1996 thru present]

SECTION V SCHEMATICS AND DIAGRAMS



KA912001

Figure 5-1. Flow Schematic - Asepsis Chair Mounted Delivery Unit (w/Self Contained Water System)
[PJ1000, PK1000, PL1000, PM1000 thru present]

SECTION V SCHEMATICS AND DIAGRAMS

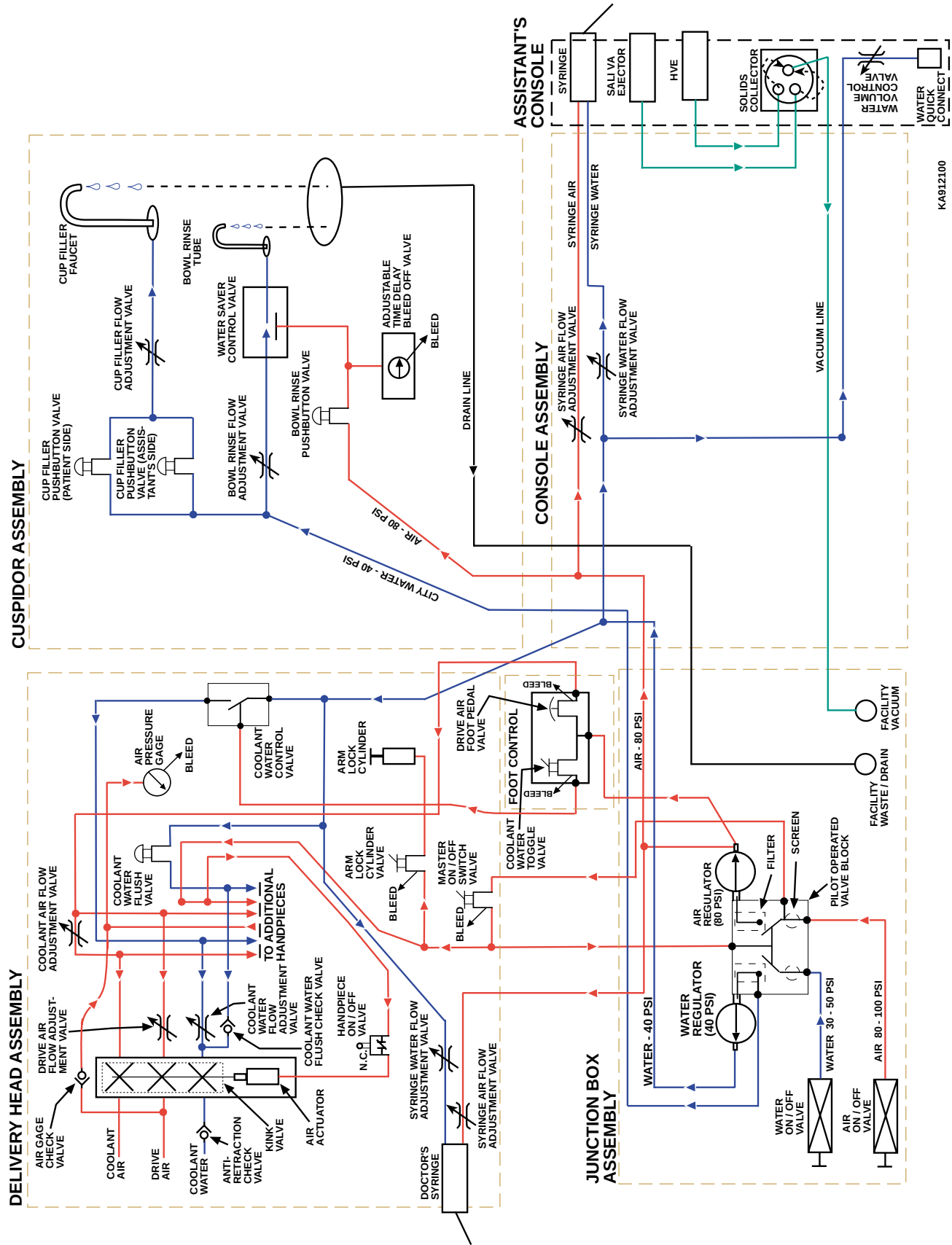


Figure 5-2. Flow Schematic - Asepsis Chair Mounted Delivery Unit (w/ City Water System)
[Units UA, UC, UK, & UW built from 1996 thru present]



Figure 5-2. Flow Schematic - Asepsis Chair Mounted Delivery Unit (w/City Water System)
[PJ1000, PK1000, PL1000, PM1000 thru present]

SECTION V SCHEMATICS AND DIAGRAMS

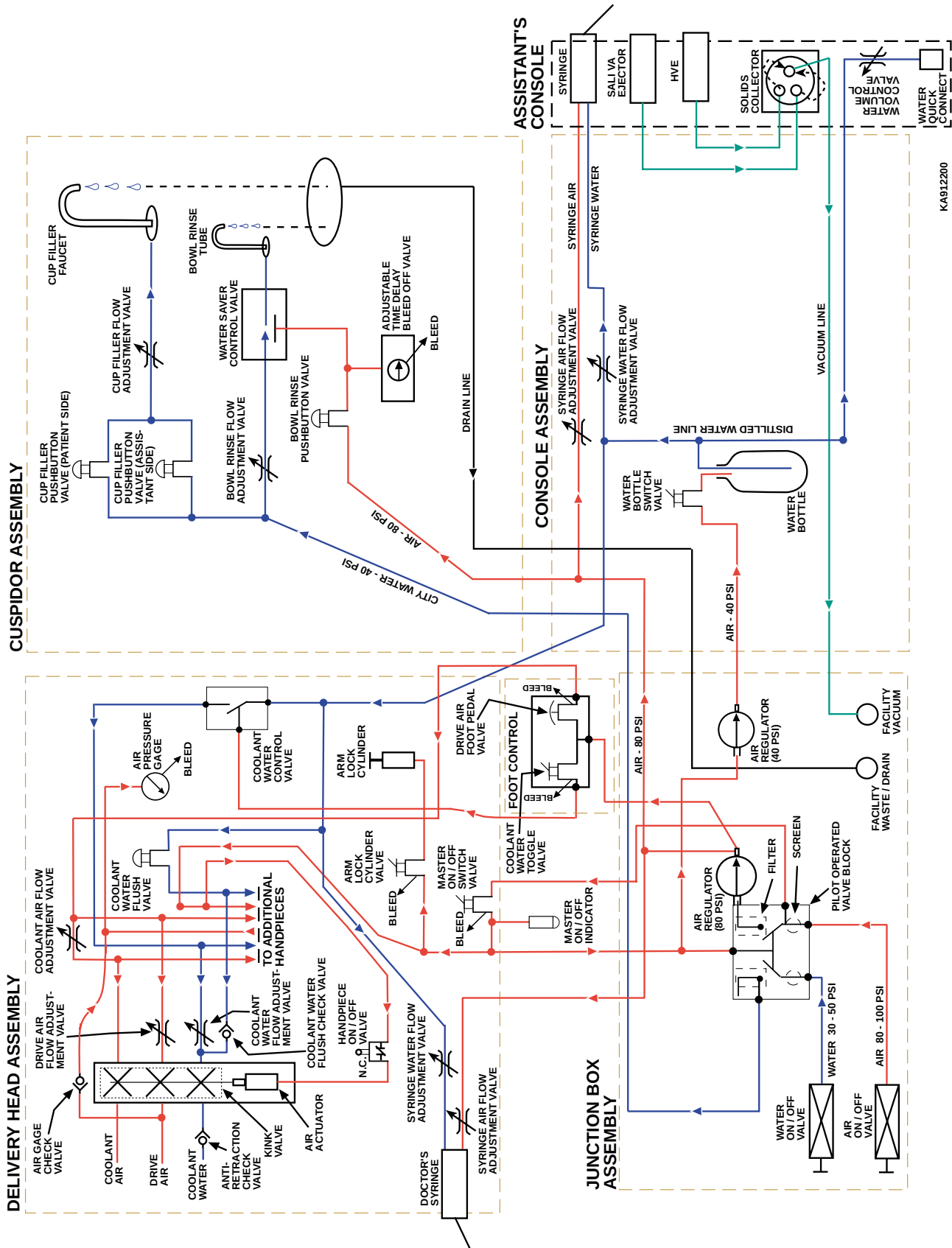
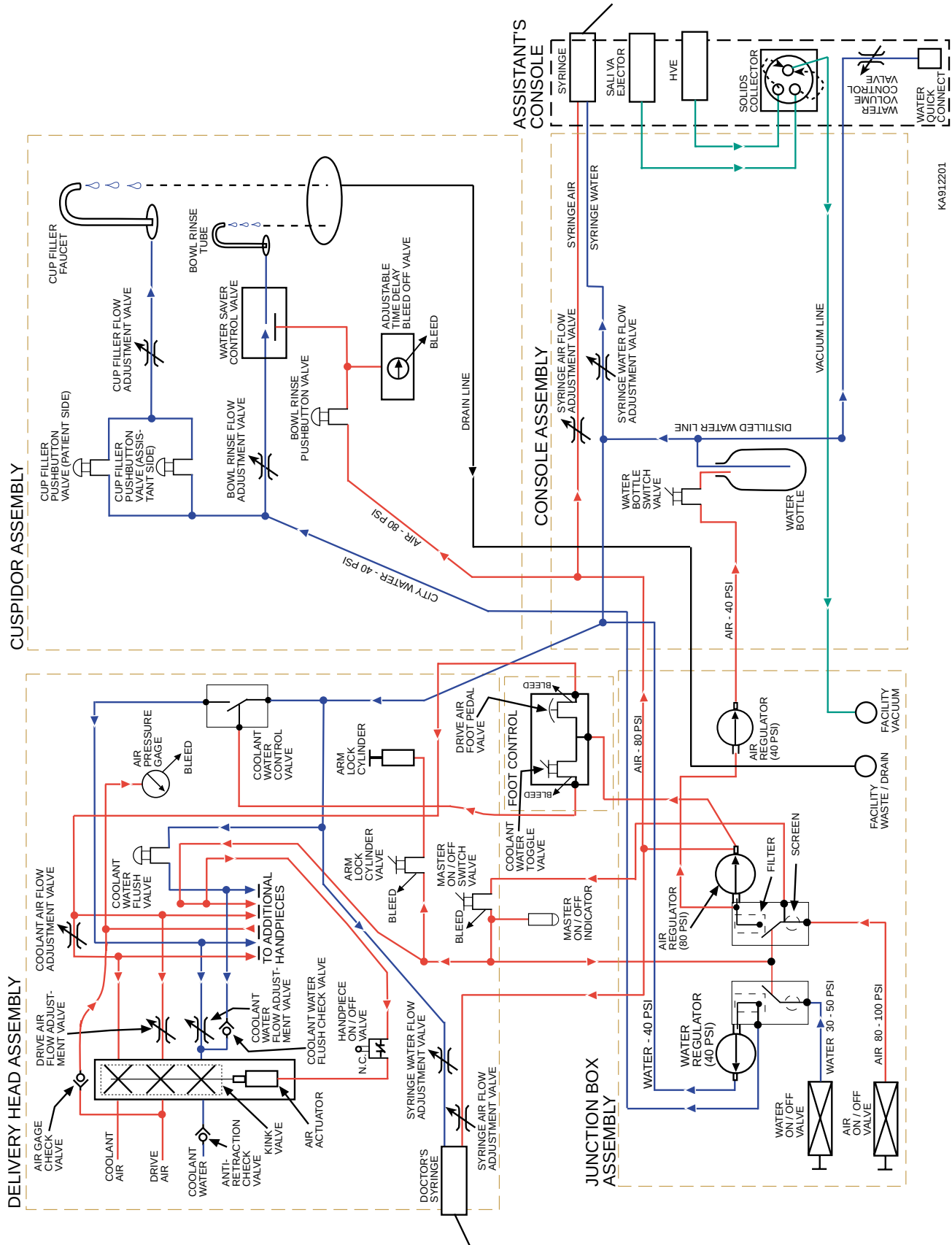


Figure 5-3. Flow Schematic - Int'l Chair Mounted Delivery Unit (w/Self Contained Water System)
[Units UA, UC, UK, & UW built from 1996 thru present]

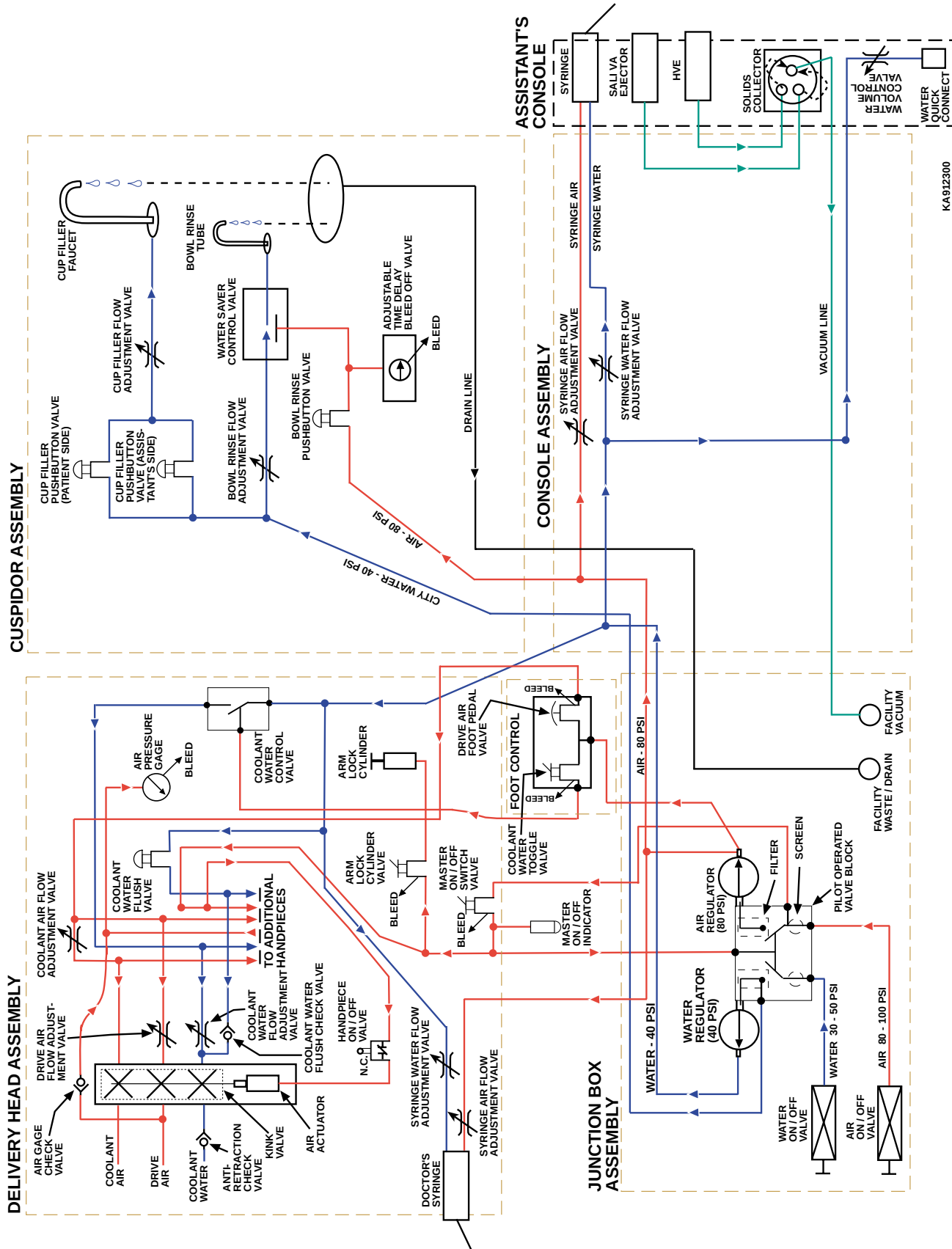
SECTION V SCHEMATICS AND DIAGRAMS



KA912201

Figure 5-3. Flow Schematic - Int'l Chair Mounted Delivery Unit (w/Self Contained Water System)
[PJ1000, PK1000, PL1000, PM1000 thru present]

SECTION V SCHEMATICS AND DIAGRAMS



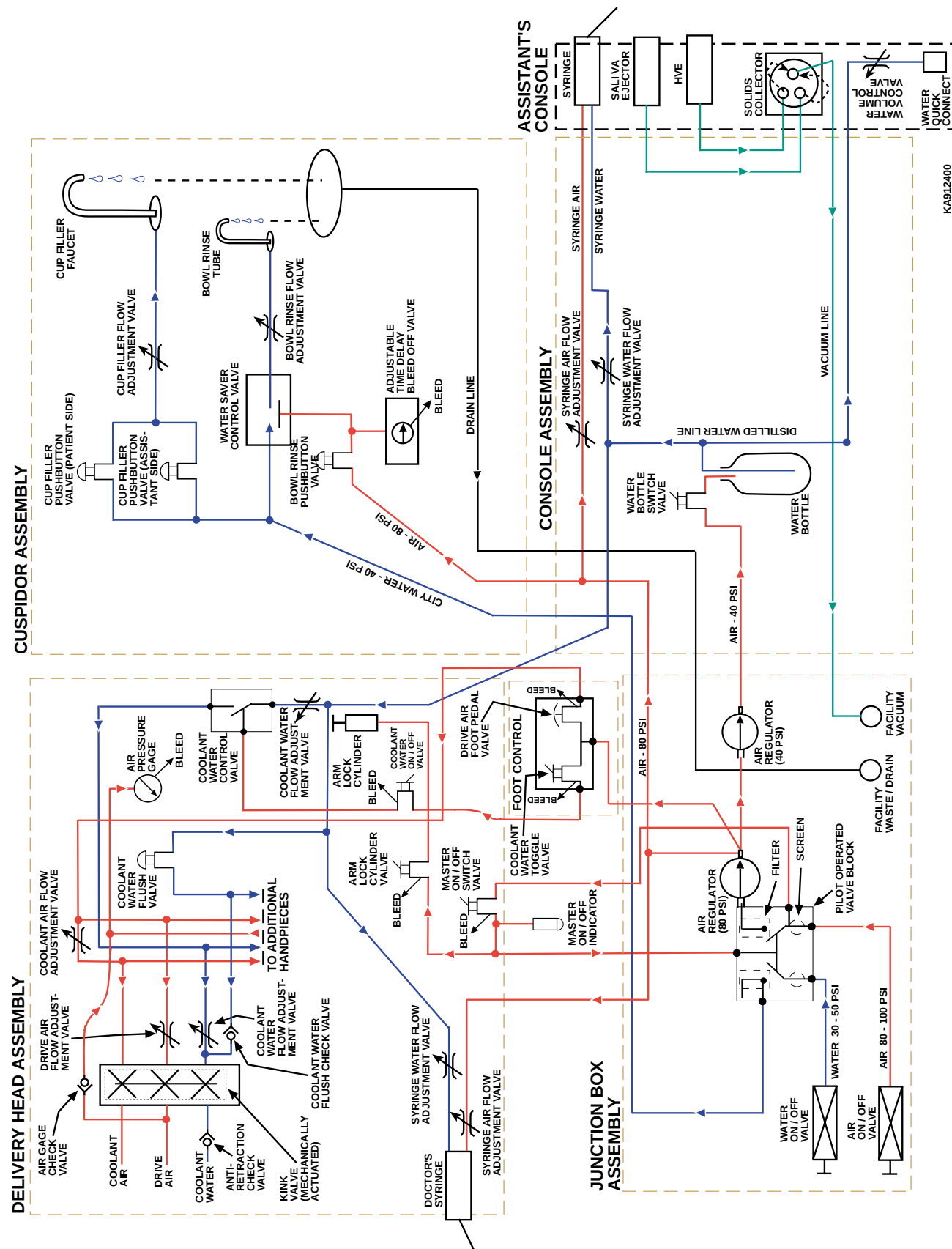
KA912300

Figure 5-4. Flow Schematic - Int'l Chair Mounted Delivery Unit (w/ City Water System)
[Units UA, UC, UK, & UW built from 1996 thru present]



Figure 5-4. Flow Schematic - Int'l Chair Mounted Delivery Unit (w/City Water System)
[PJ1000, PK1000, PL1000, PM1000 thru present]

SECTION V SCHEMATICS AND DIAGRAMS



KA912400

Figure 5-5. Flow Schematic - Int'l Chair Mounted Delivery Unit (w/self Contained Water System)
[Units built prior to 1996]

SECTION V SCHEMATICS AND DIAGRAMS

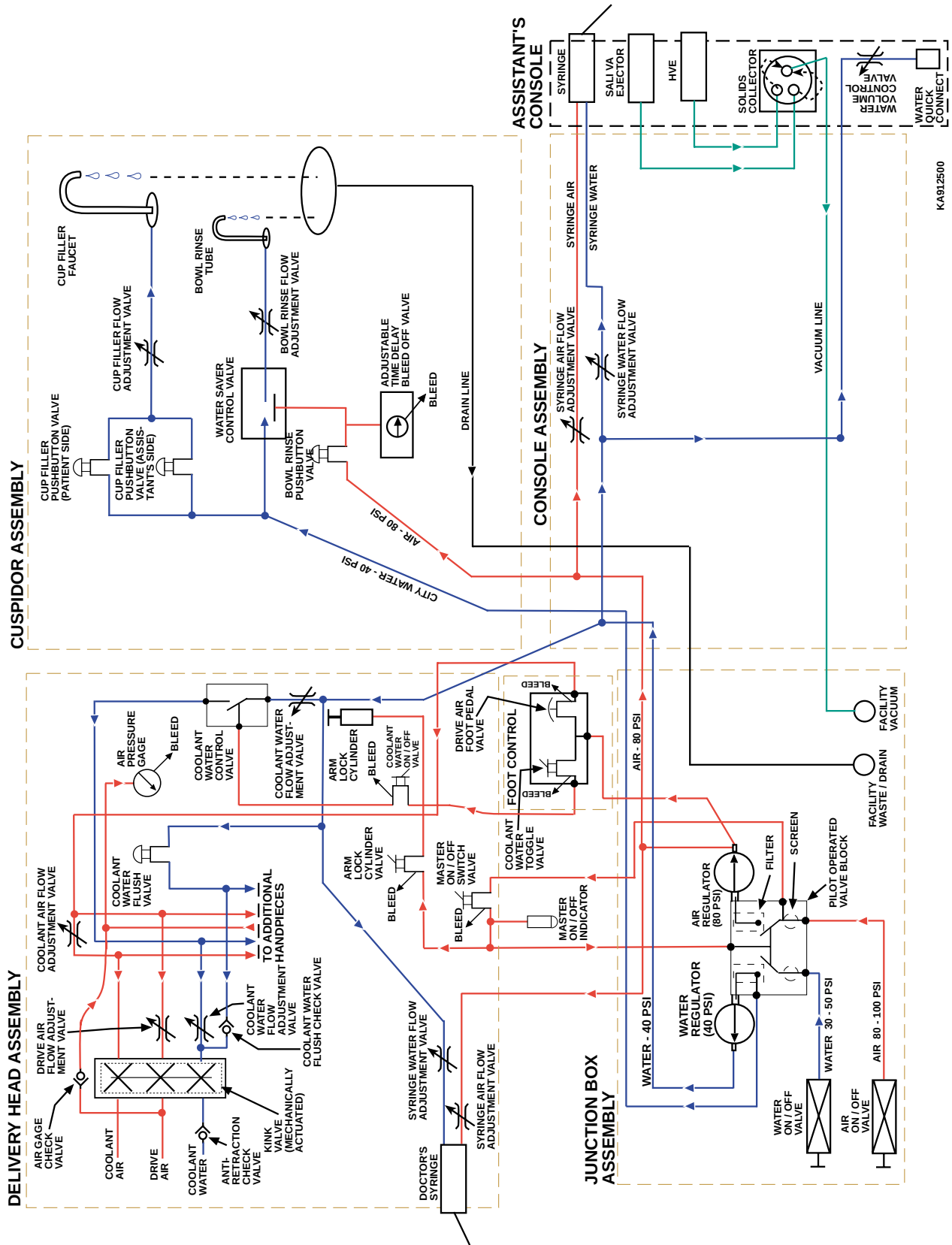


Figure 5-6. Flow Schematic - Int'l Chair Mounted Delivery Unit (w/ City Water System)
[Units built prior to 1996]

SECTION V SCHEMATICS AND DIAGRAMS

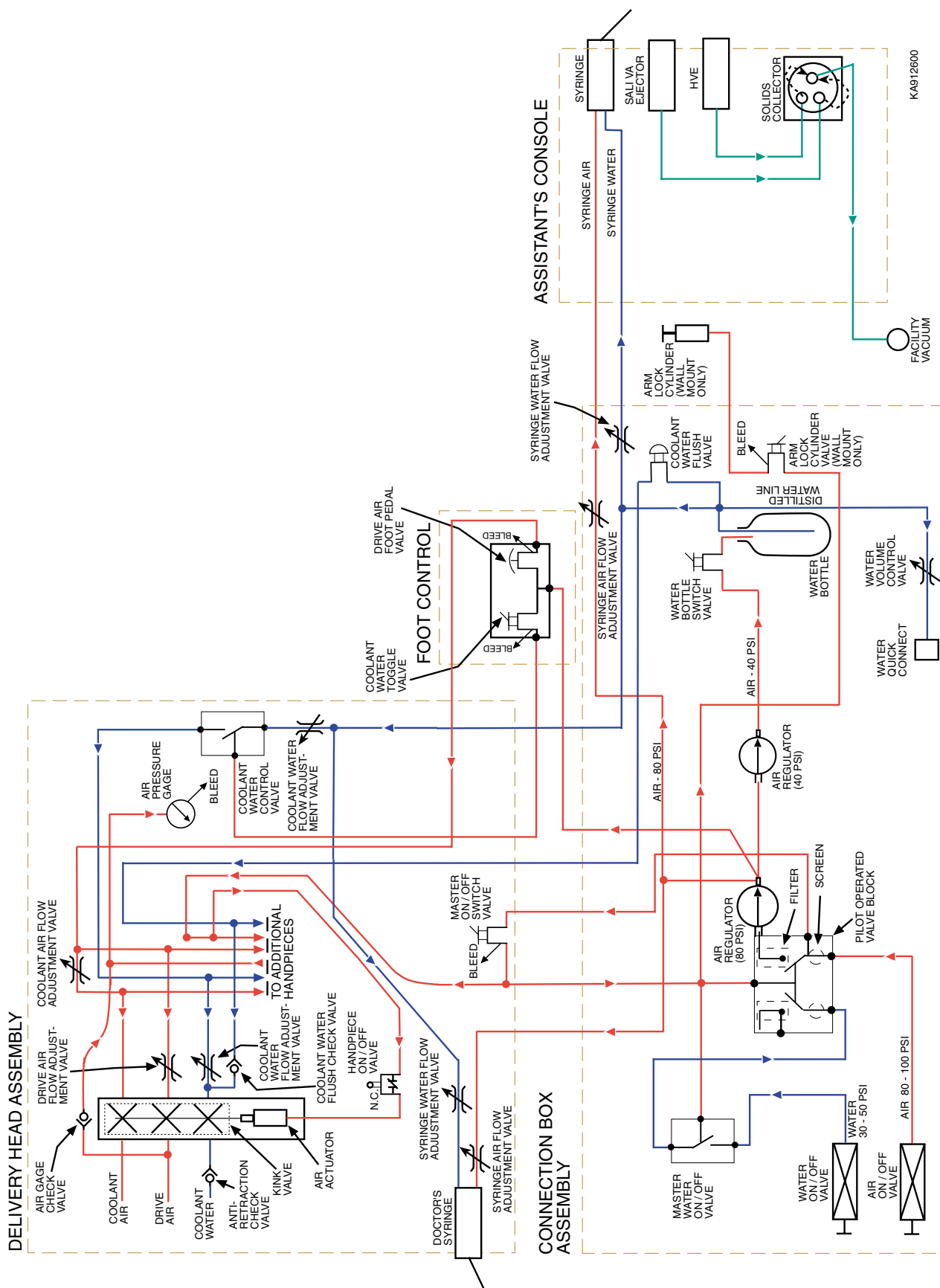


Figure 5-7. Flow Schematic - Duo Cart / Wall Mounted Delivery Unit (w/ Self Contained Water System)
[Units built prior to 1996]

SECTION V SCHEMATICS AND DIAGRAMS

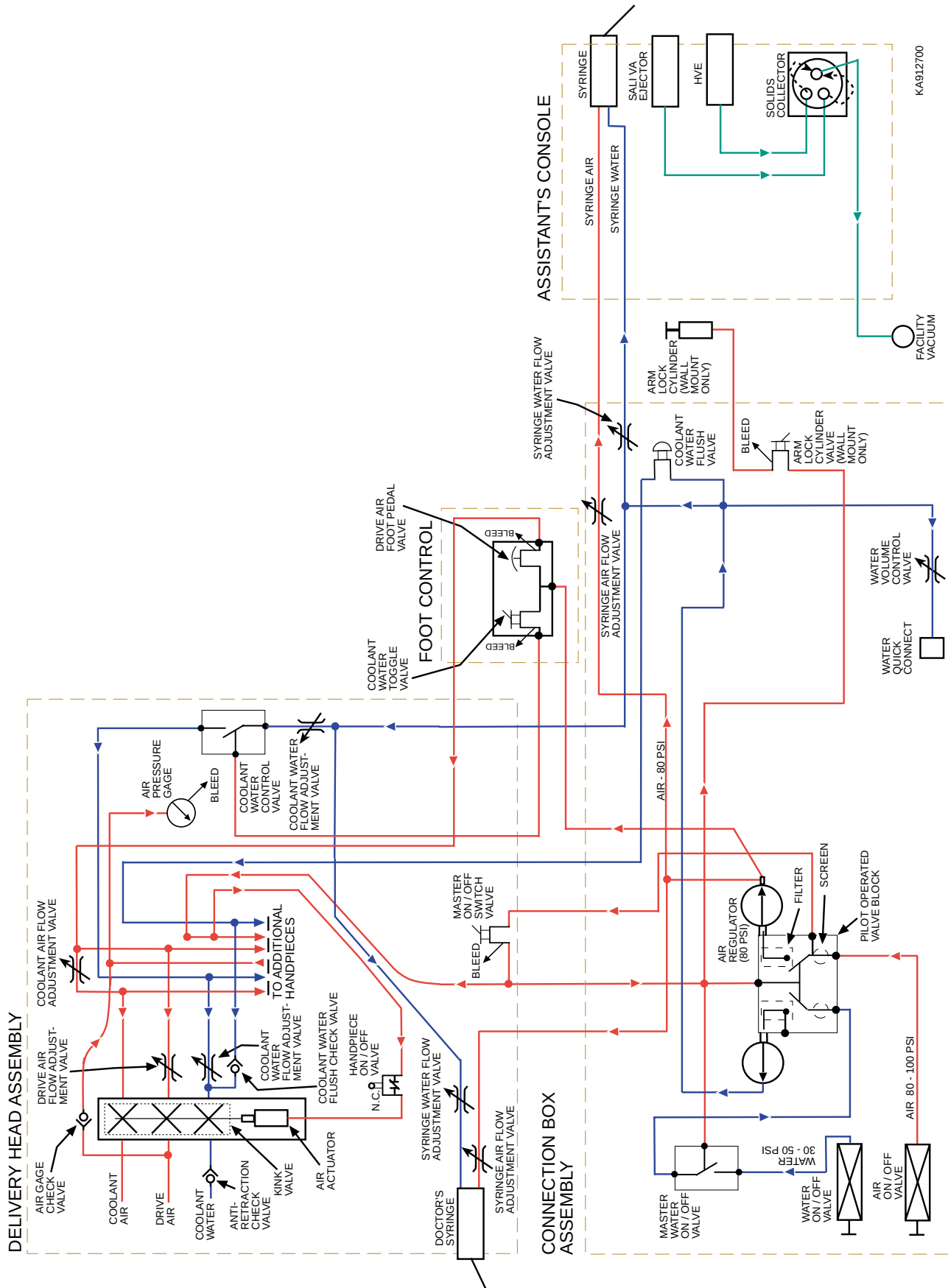
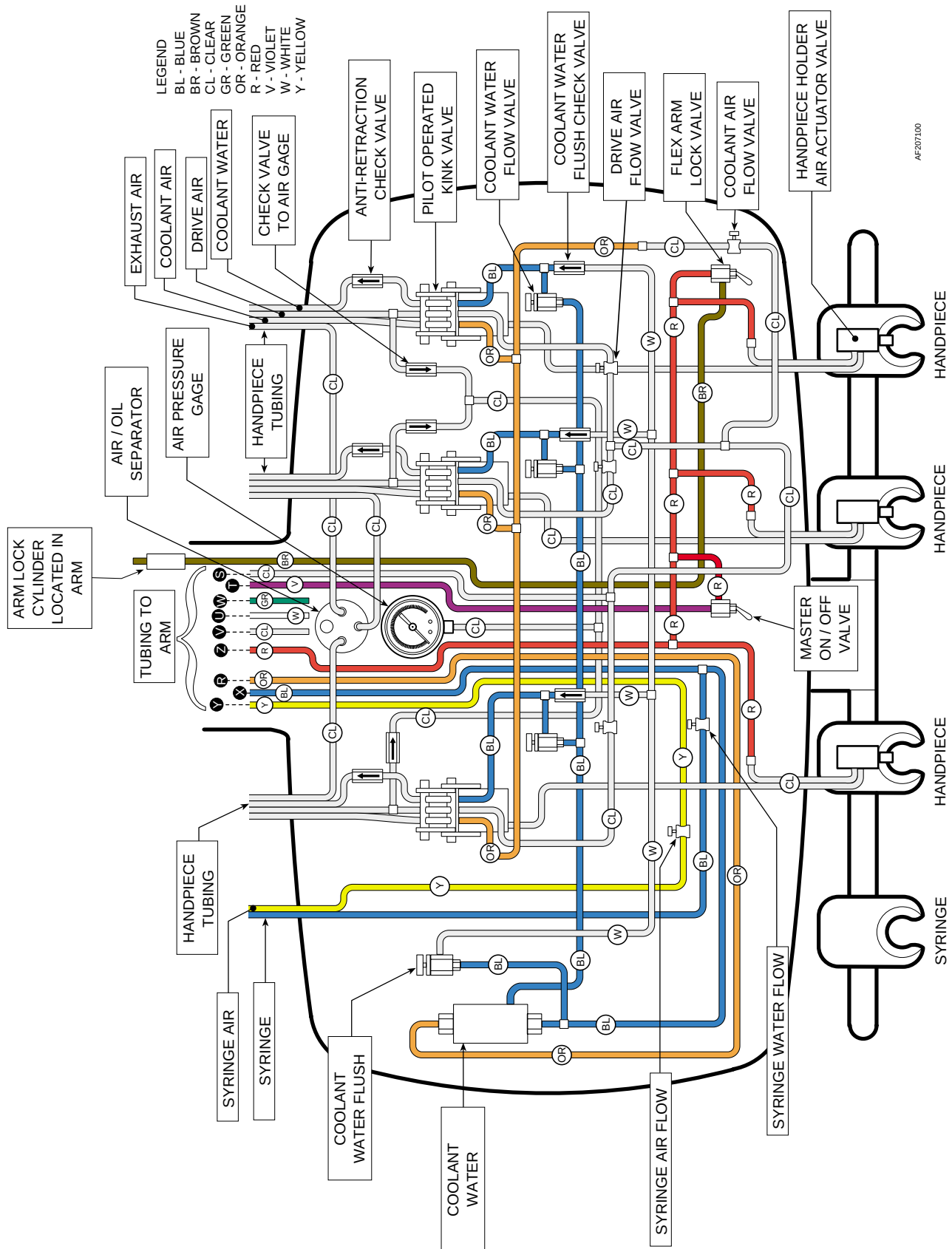


Figure 5-8. Flow Schematic - Duo Cart / Wall Mounted Delivery Unit (w/City Water System)
[Units built prior to 1996]

SECTION V SCHEMATICS AND DIAGRAMS



AF207100

Figure 5-9. Tubing Diagram - Typical Asepsis 21 Delivery Head

SECTION V SCHEMATICS AND DIAGRAMS

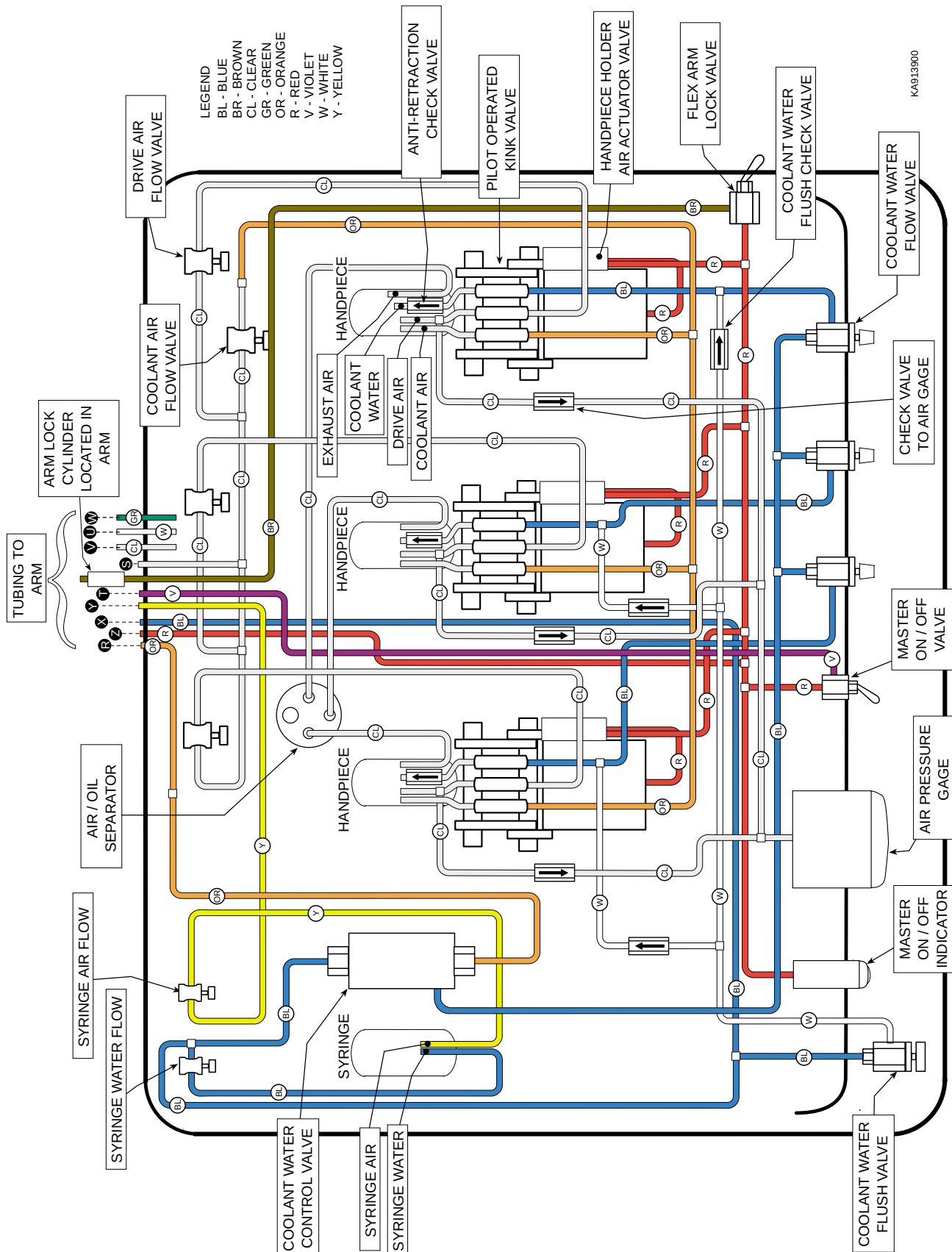


Figure 5-10. Tubing Diagram - Typical Int'l Delivery Head

SECTION V SCHEMATICS AND DIAGRAMS

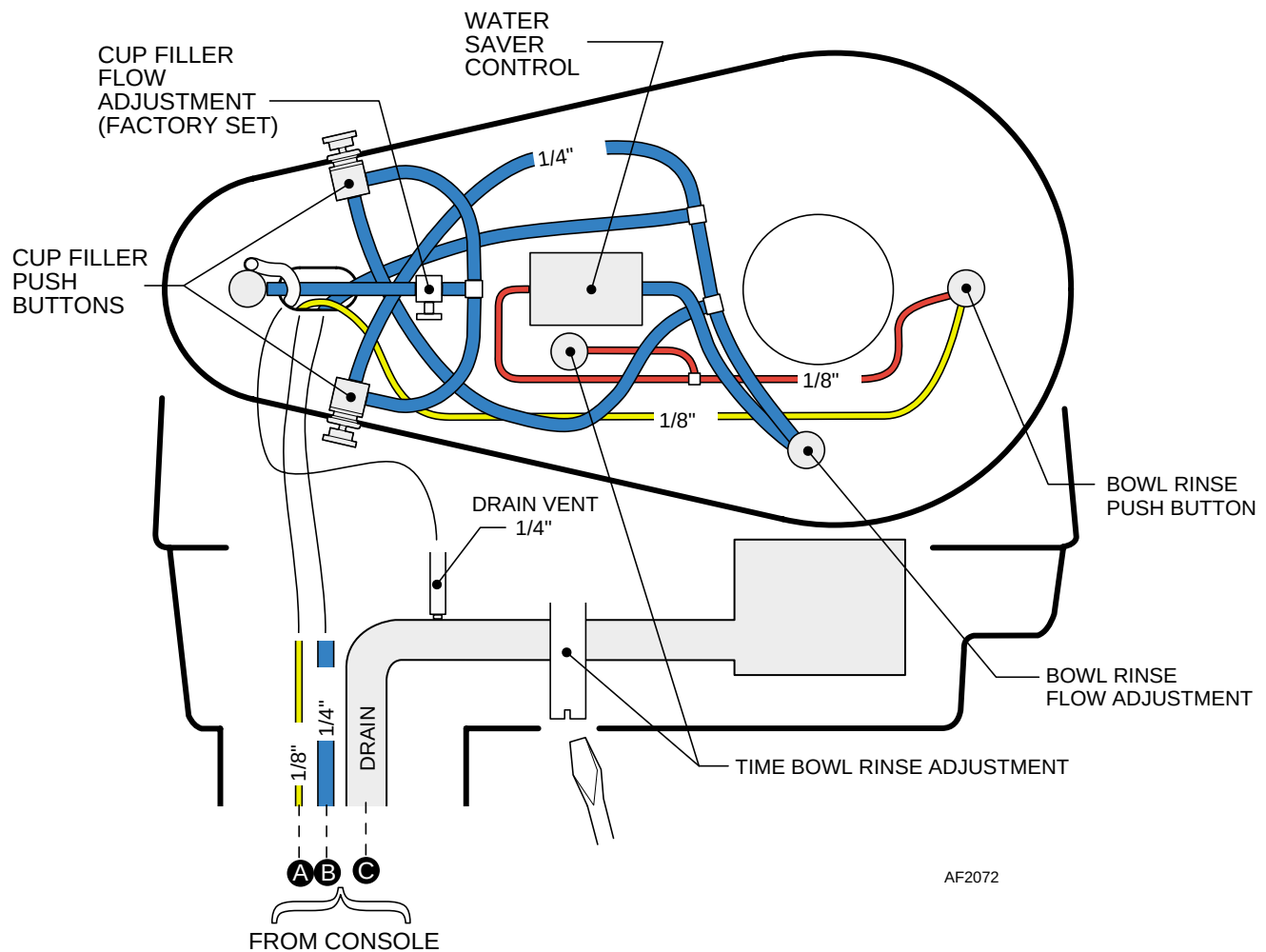


Figure 5-11. Tubing Diagram - Typical Cuspidor

SECTION V SCHEMATICS AND DIAGRAMS

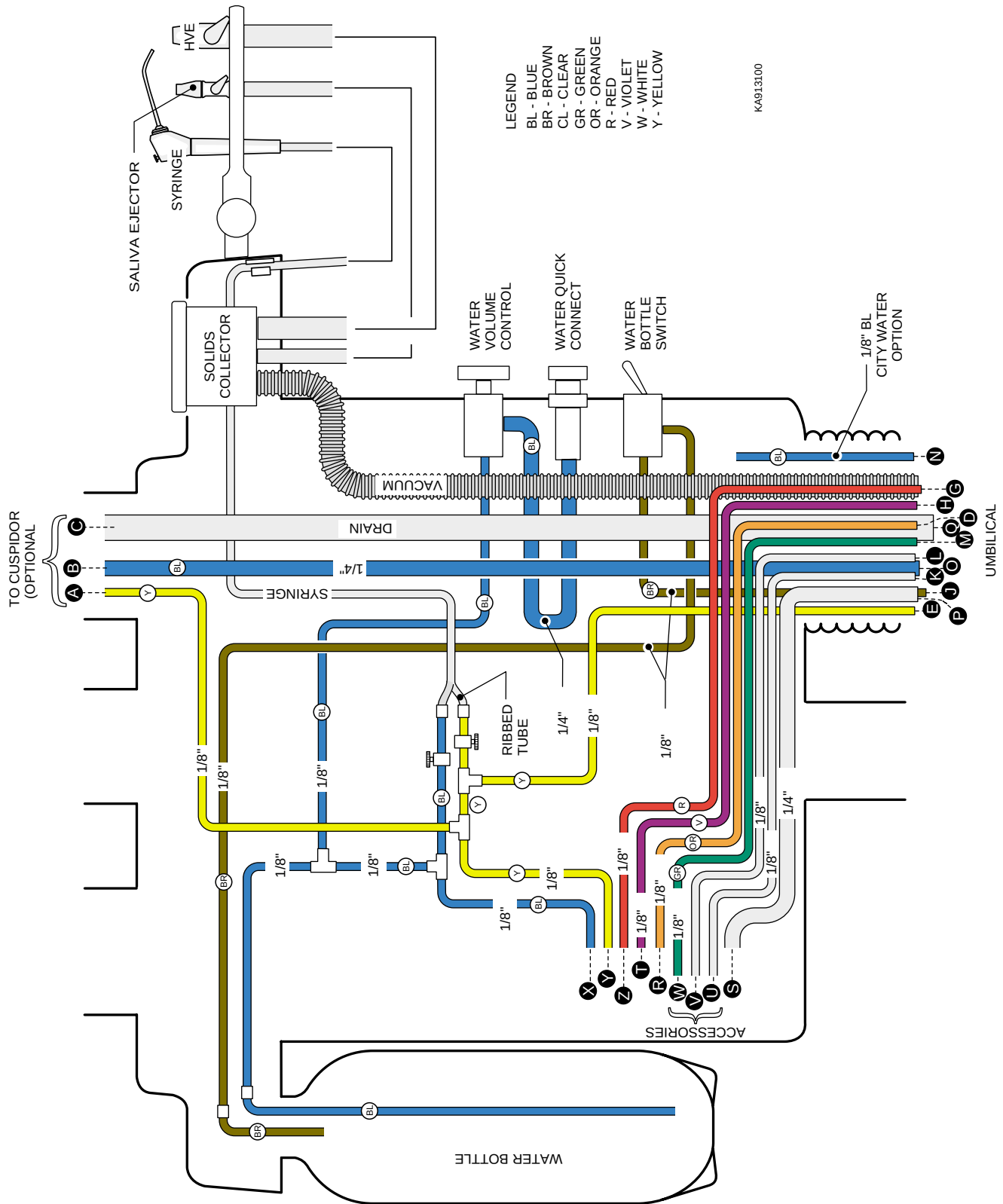


Figure 5-12. Tubing Diagram - Typical Console (w/Self Contained Water System)

SECTION V SCHEMATICS AND DIAGRAMS

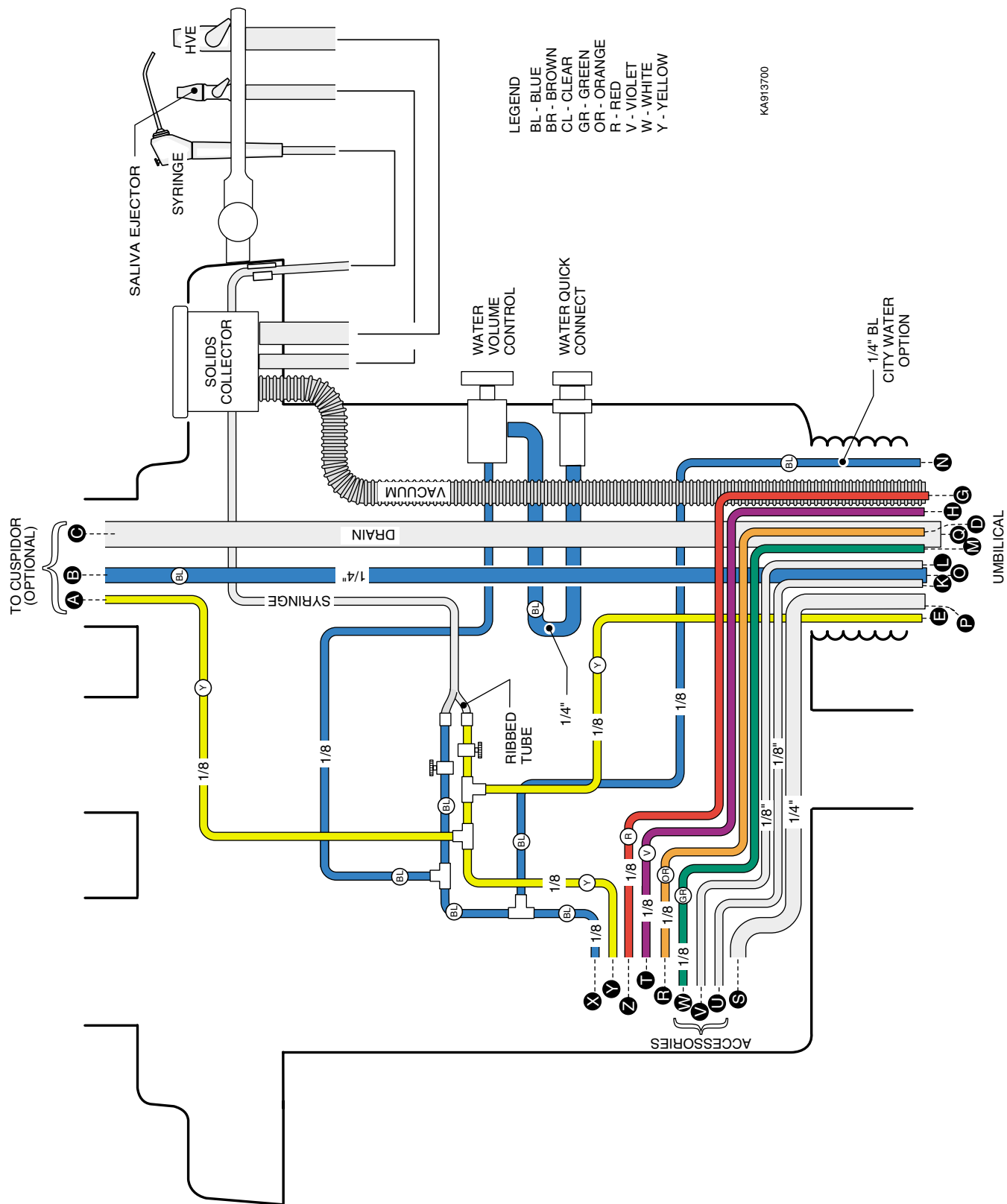


Figure 5-13. Tubing Diagram - Typical Console (w/City Water System)

SECTION V SCHEMATICS AND DIAGRAMS

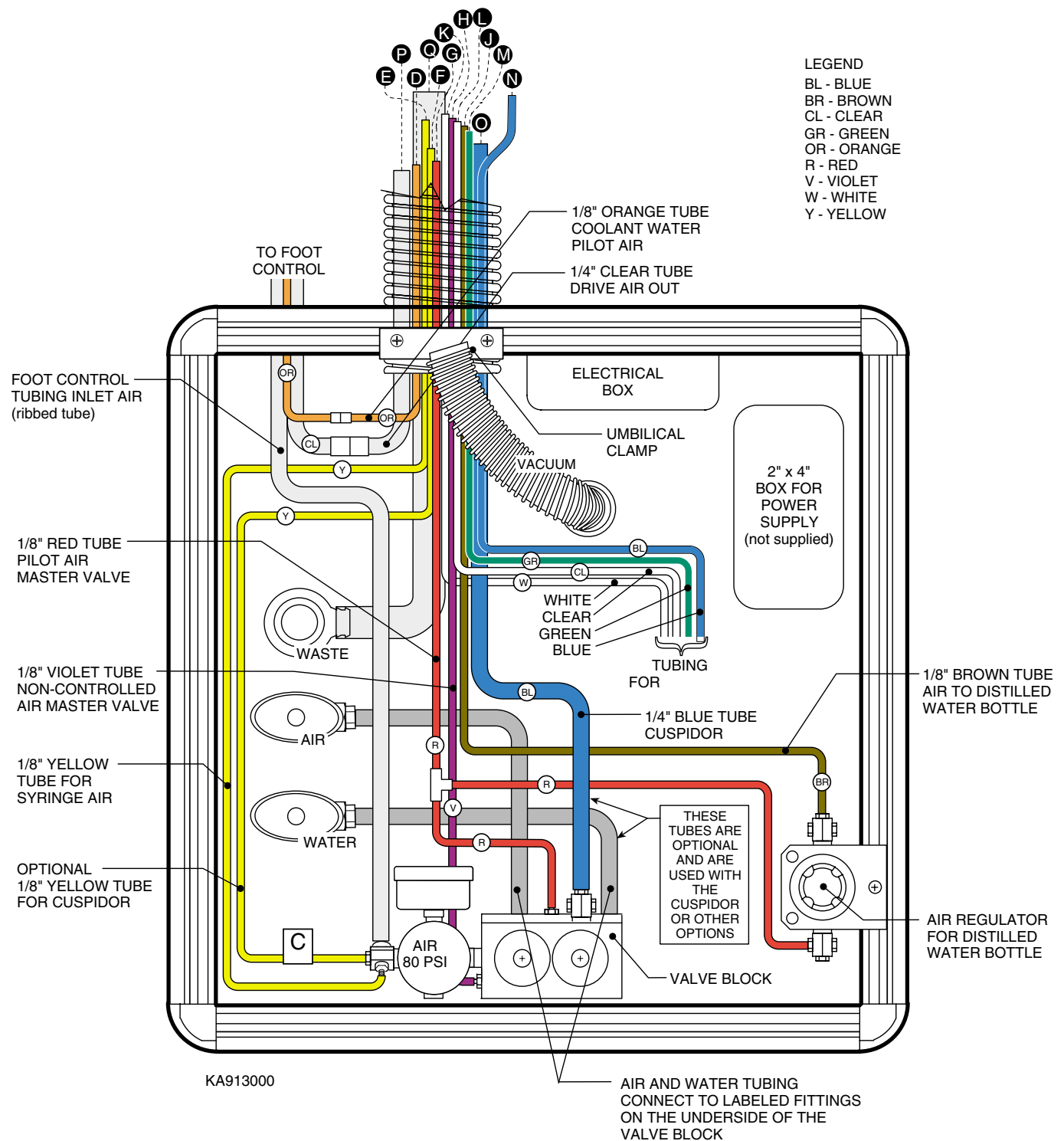


Figure 5-14. Tubing Diagram - Typical Junction Box (w/Self Contained Water System)
[Units UA, UC, UK, & UW built from 1996 thru present]

SECTION V SCHEMATICS AND DIAGRAMS

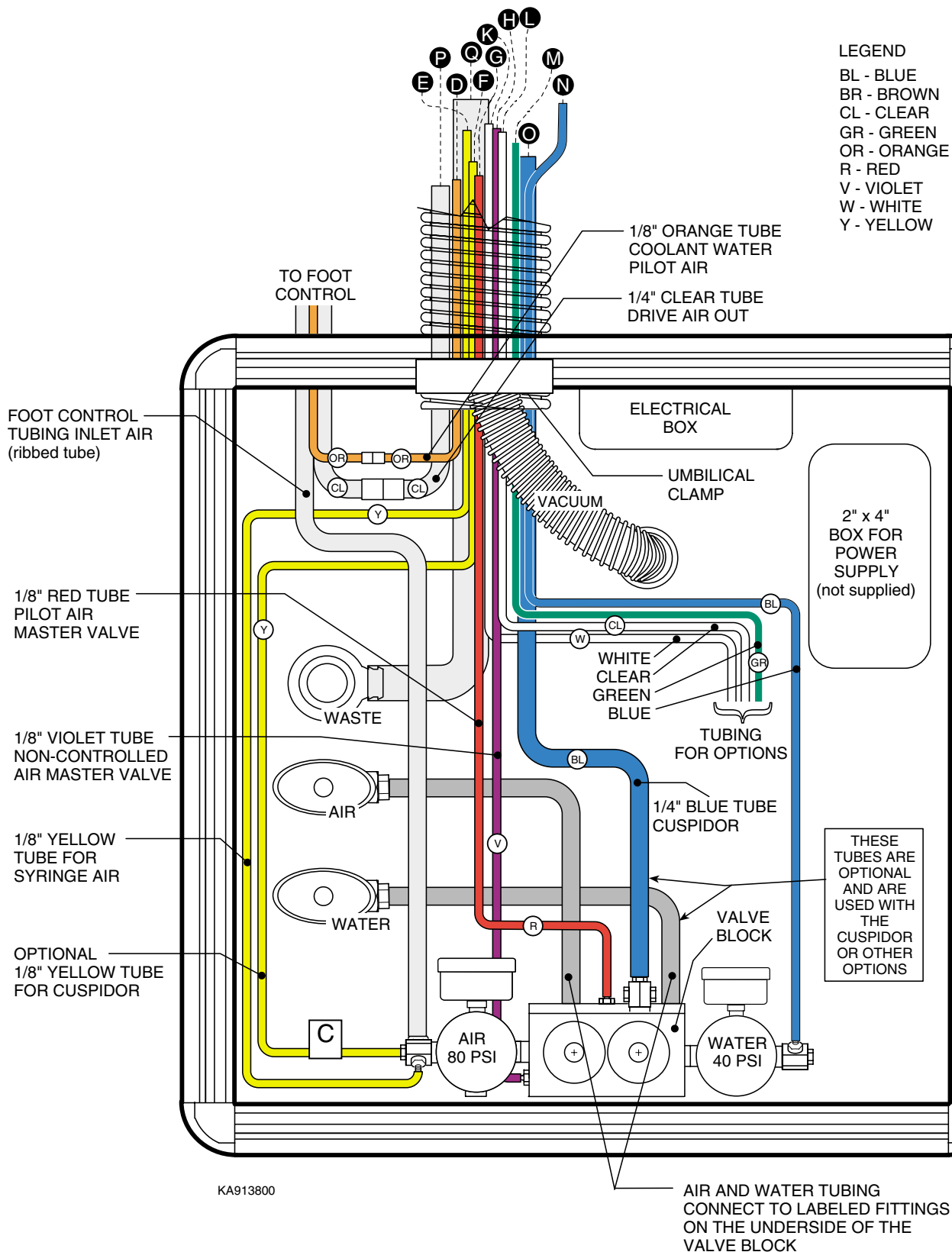


Figure 5-15. Tubing Diagram - Typical Junction Box (w/City Water System)
[Units UA, UC, UK, & UW built from 1996 thru present]

SECTION V SCHEMATICS AND DIAGRAMS

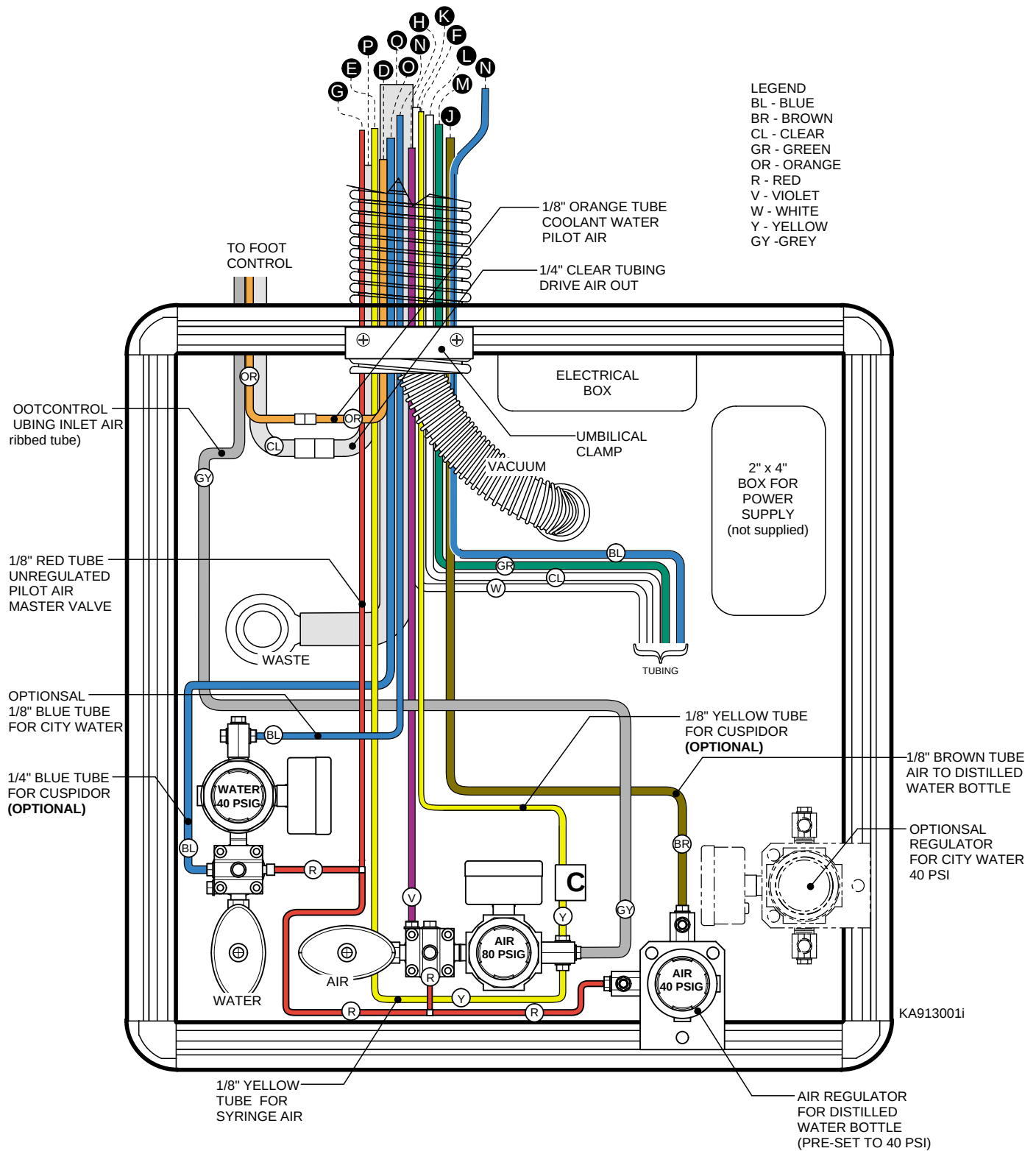
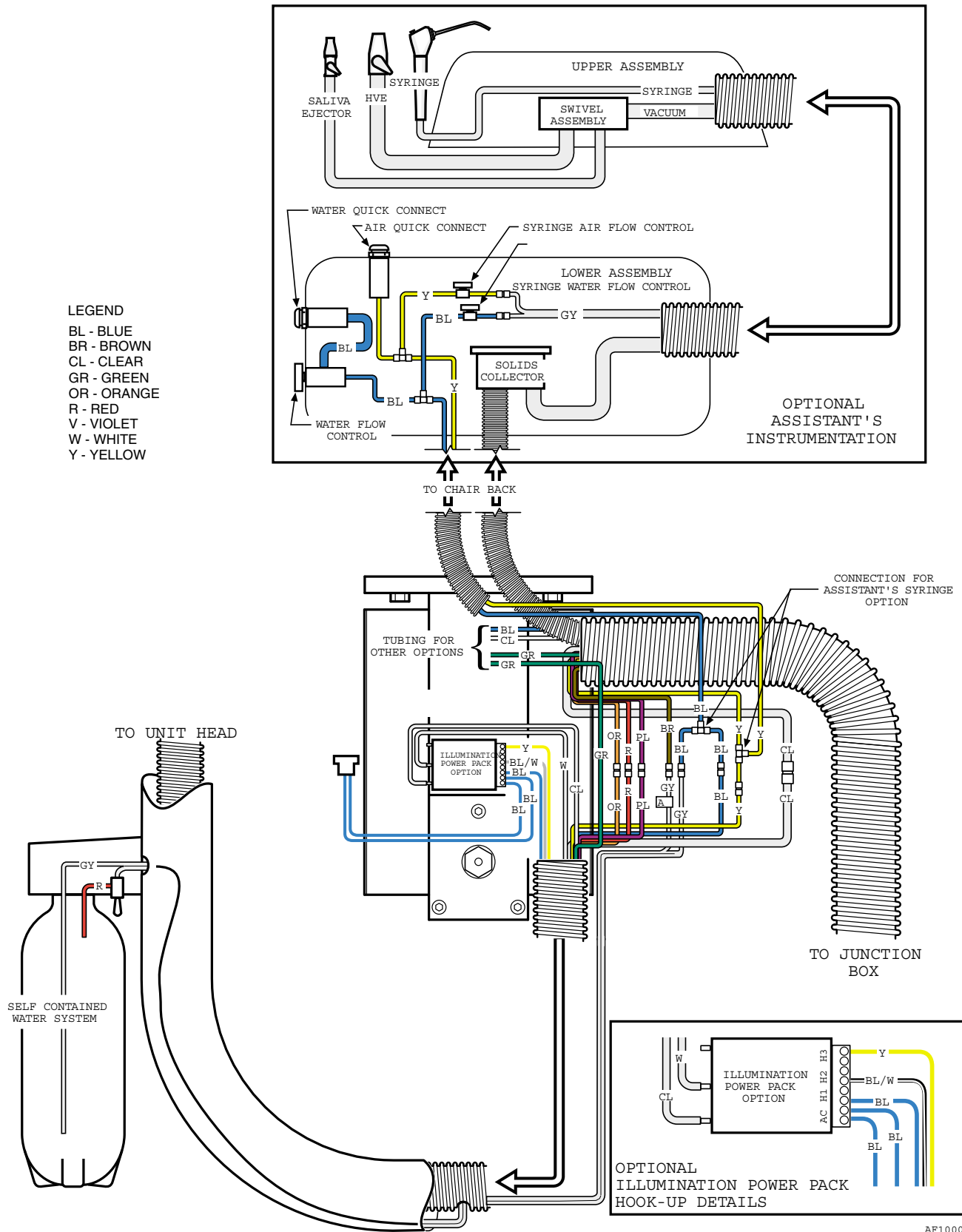


**Figure 5-15. Tubing Diagram - Typical Junction Box (w/City Water System)
PJ1000, PK1000, PL1000, PM1000 thru present]**

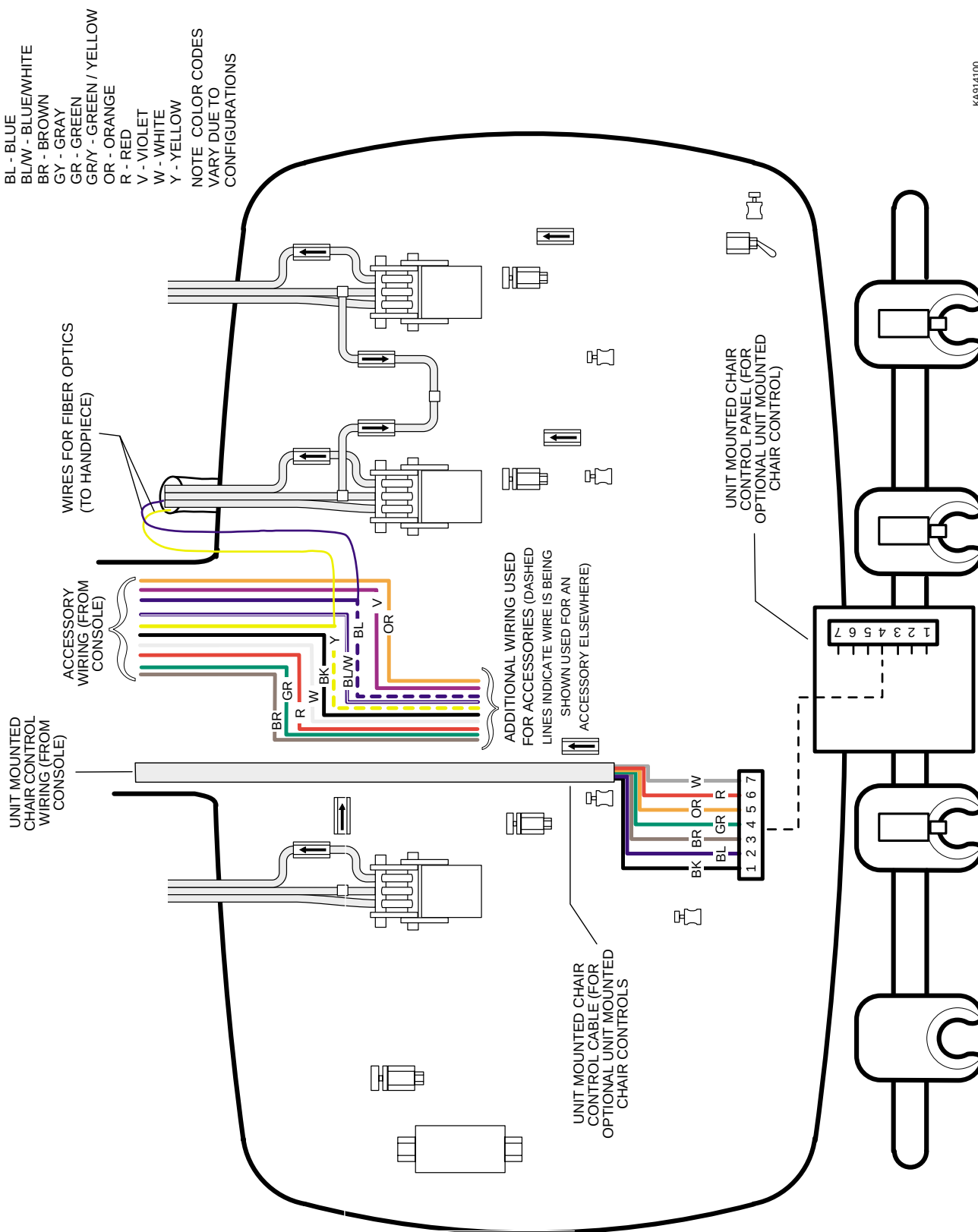
SECTION V SCHEMATICS AND DIAGRAMS



AF1000

Figure 5-16. Tubing Diagram - Typical Concept LR Unit

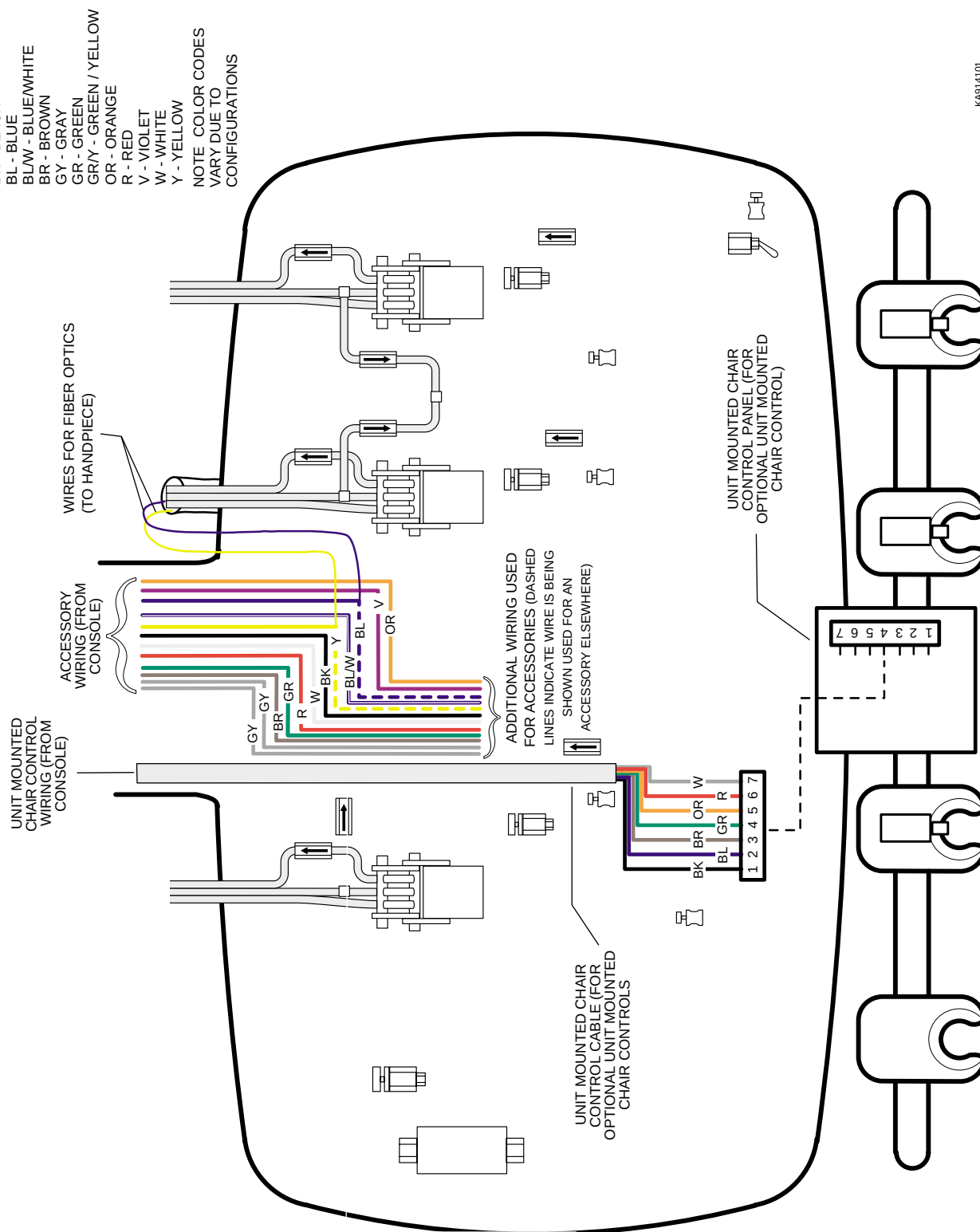
SECTION V SCHEMATICS AND DIAGRAMS



K4914100

Figure 5-17. Wiring Diagram - Typical Delivery Unit [Serial Numbers PJ1000 thru PJ2427 & PK1000 thru PK1086 (Asepsis 21 shown)]

SECTION V SCHEMATICS AND DIAGRAMS



KA914101

Figure 5-17.1. Wiring Diagram - Typical Delivery Unit [Serial Numbers PJ2428 & PK1086 thru present (Asepsis 21 shown)]



SECTION V SCHEMATICS AND DIAGRAMS

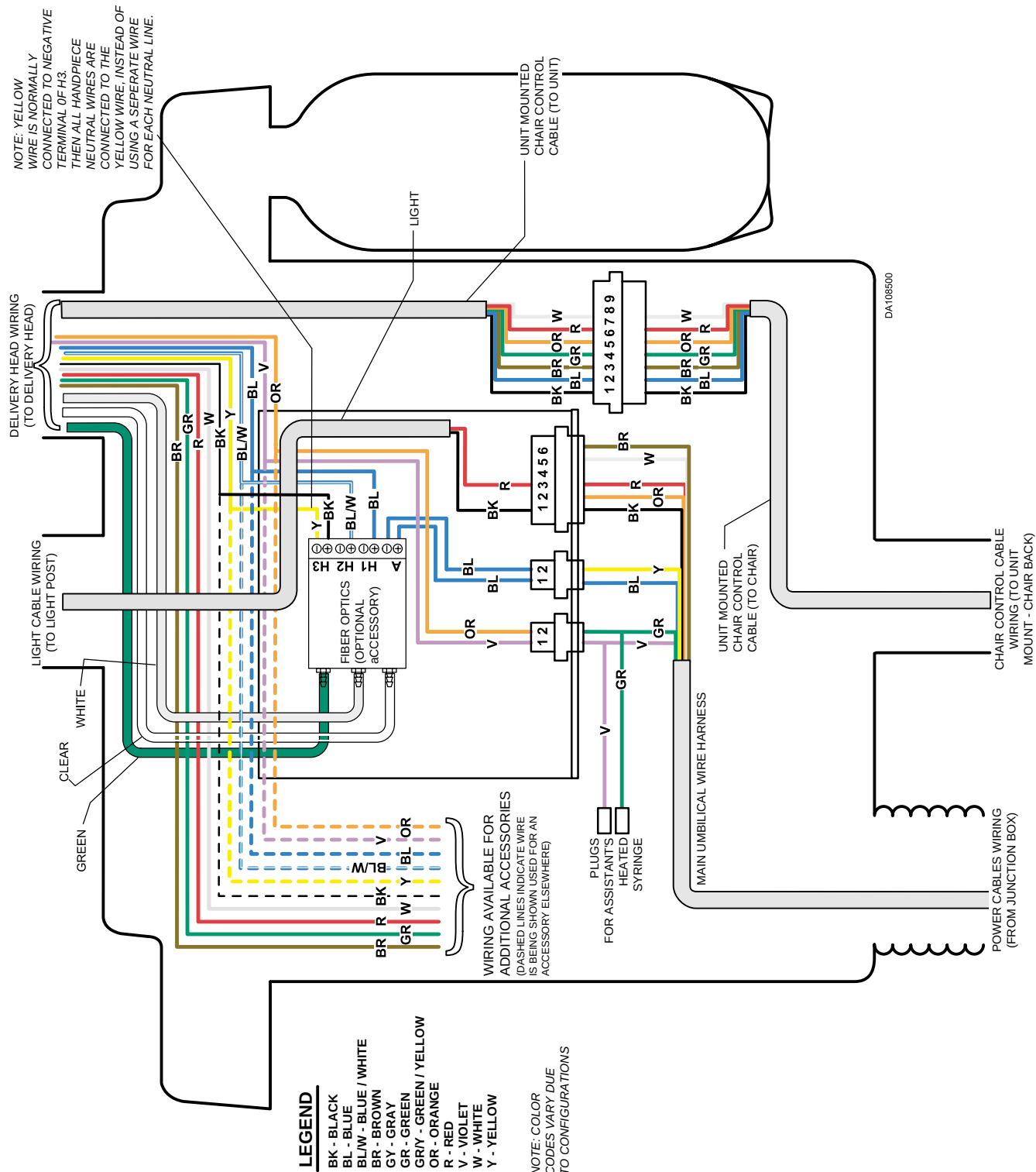


Figure 5-18.1 Wiring Diagram - Typical Console (Used on Units with Serial Numbers PL1572 thru Present)



SECTION V SCHEMATICS AND DIAGRAMS

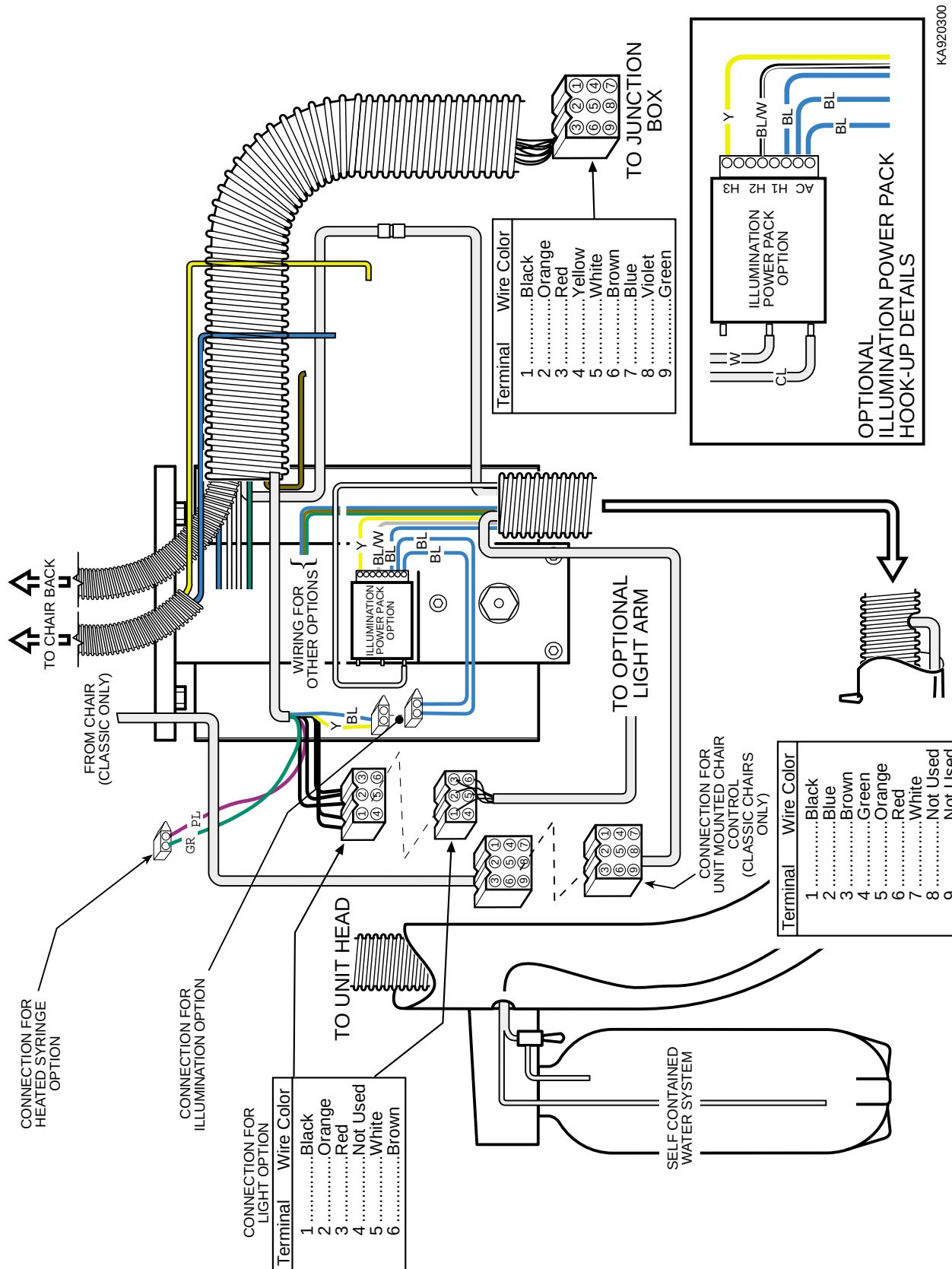


Figure 5-20. Wiring Diagram - Typical Concept LR Unit

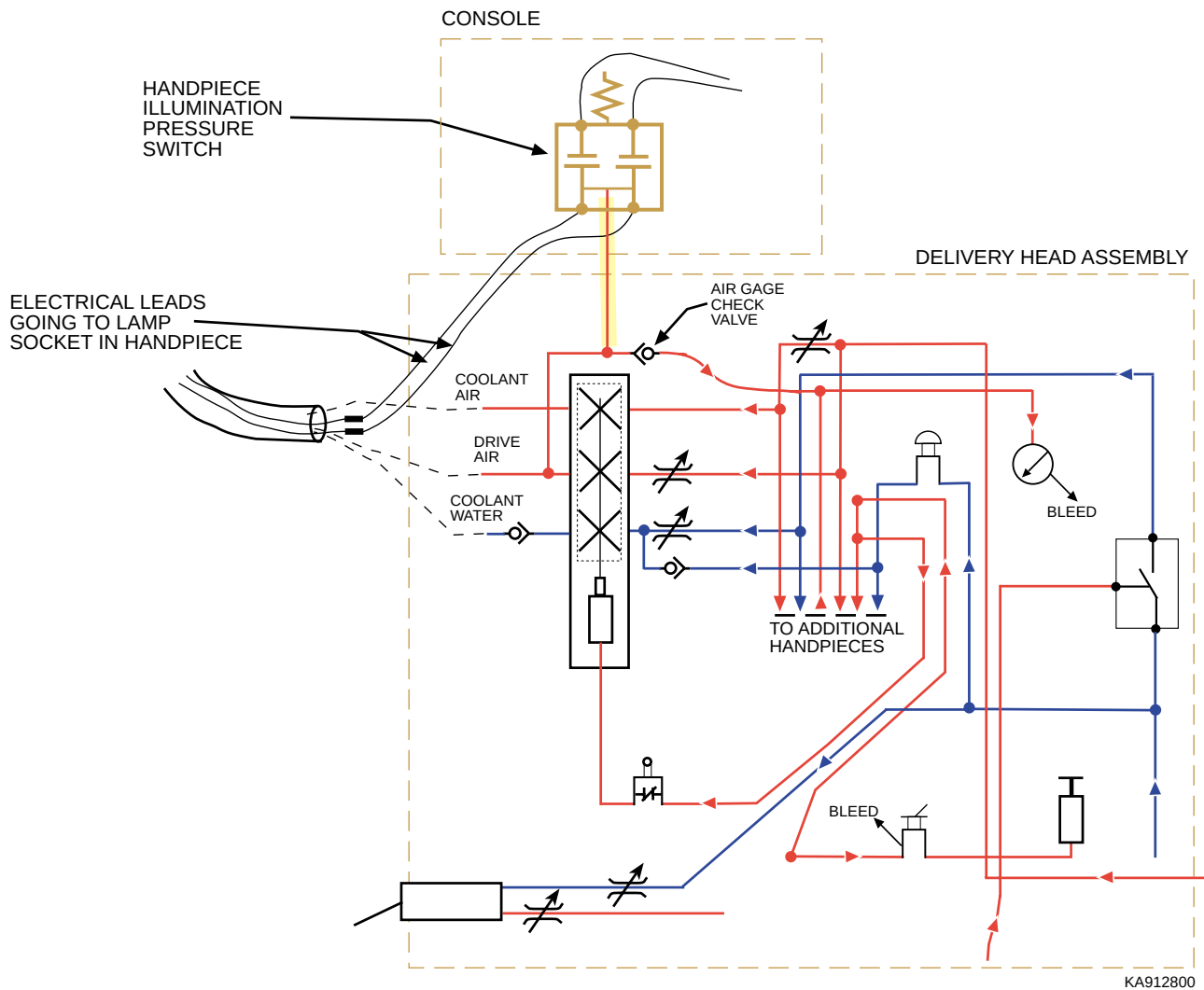


Figure 5-21. Typical Handpiece Illumination Setup

SECTION V SCHEMATICS AND DIAGRAMS

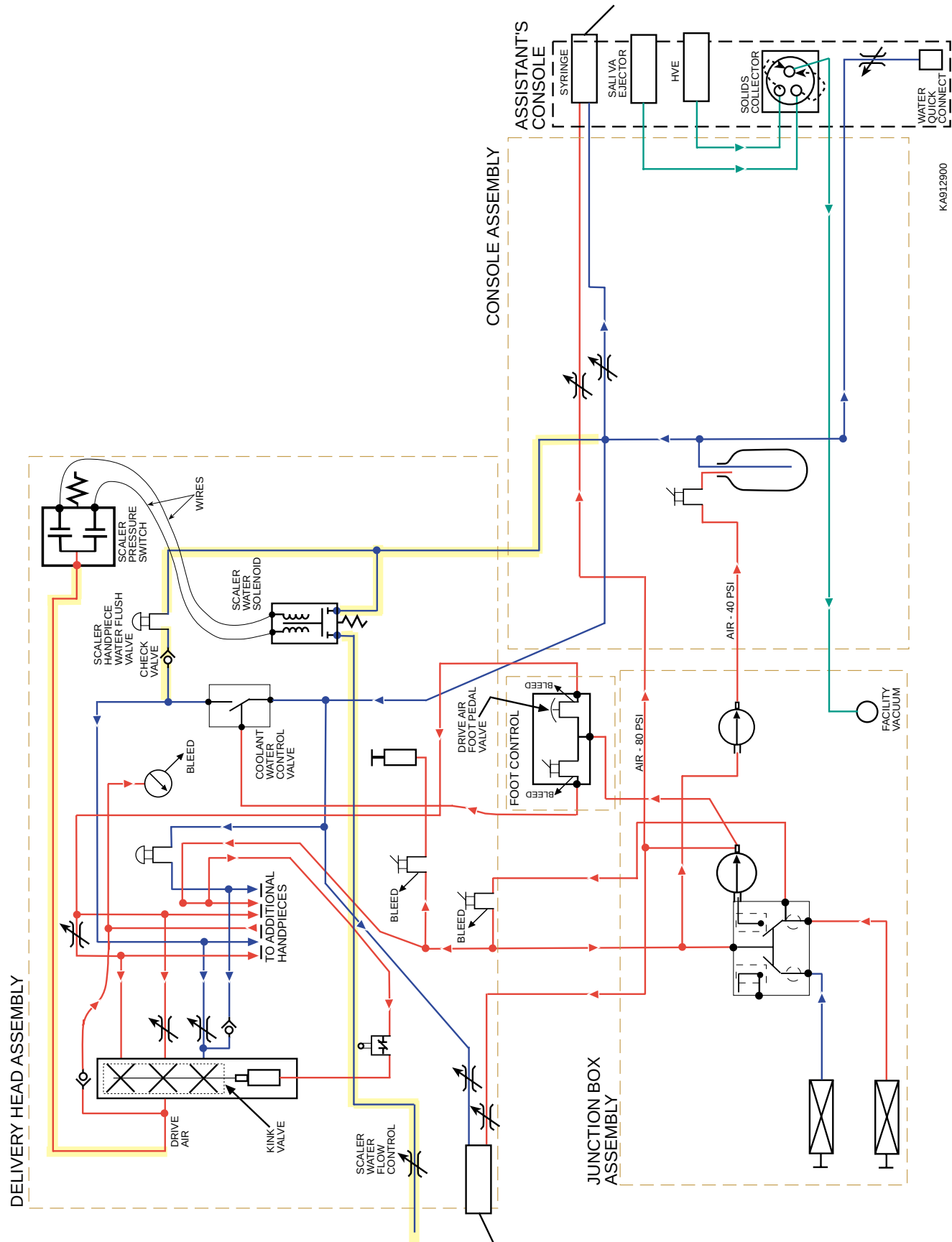


Figure 5-22. Typical Scaler System Setup

SECTION VI
PARTS LIST**6.1 Introduction**

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

6.2 Description of Columns

The Item column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The Part No. column lists the MIDMARK part number for that component.

The Description column provides a physical description of the component.

The Qty. column lists the number of that particular component required for the subassembly. The letters "AR" denote "as required" when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the Part No. column and the Description column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

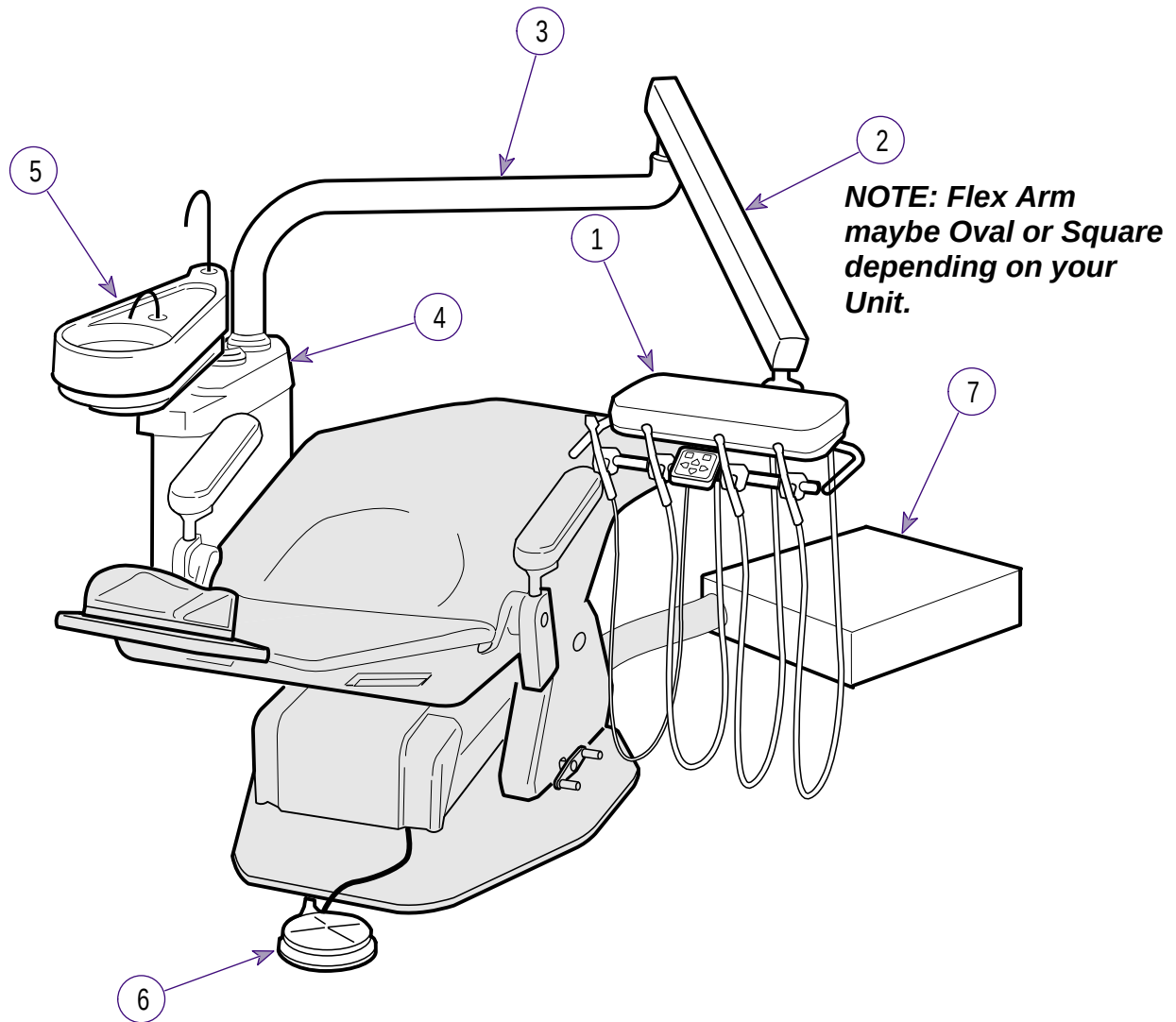
6.3 Torque Specifications and Important Assembly Notes

When specific assembly torque specifications, measurements, or procedures have been identified, by our engineering department, as required to assure proper function of the unit, those torque specifications measurements, and procedures will be noted on the parts illustrations. Adherence to these requirements is essential.

() Loctite is a registered trademark of the Loctite Corporation*

Pictorial Index

Asepsis 21 Console Unit



KA925100

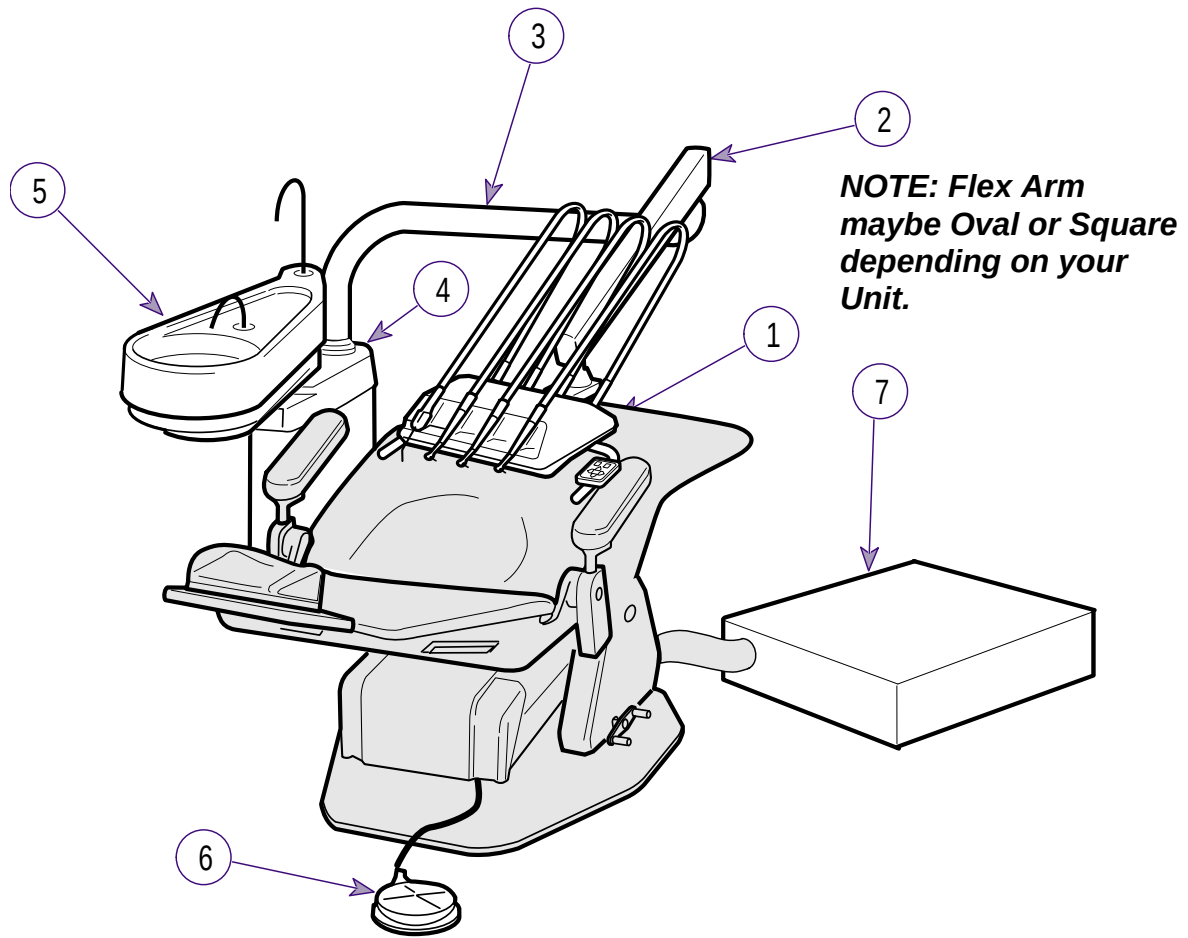
Applies to units with UA, UC, PL, & PJ serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Asepsis 21 Delivery Unit Assy.	6-18	4		Chair Mounted Console Assembly ...	6-30
2		Square Air Lock Flex Arm Assembly (shown)	6-50	5		Cuspidor Assembly	6-27
		Oval Air Lock Flex Arm Assy (not shown)	6-51	6		Foot Control Assembly	6-74
		Manual Lock Flex Arm Assembly (not shown)	6-52	7		Lg. Junction Box Assy (shown)	6-62
3		Delivery Unit Arm Assembly	6-52			Sm. Junction Box Assy (not shown)	6-63

Always Specify Model & Serial Number

Pictorial Index

Whip-style Console Unit



KA925200

Applies to units with UW, PL, & PK serial number prefixes

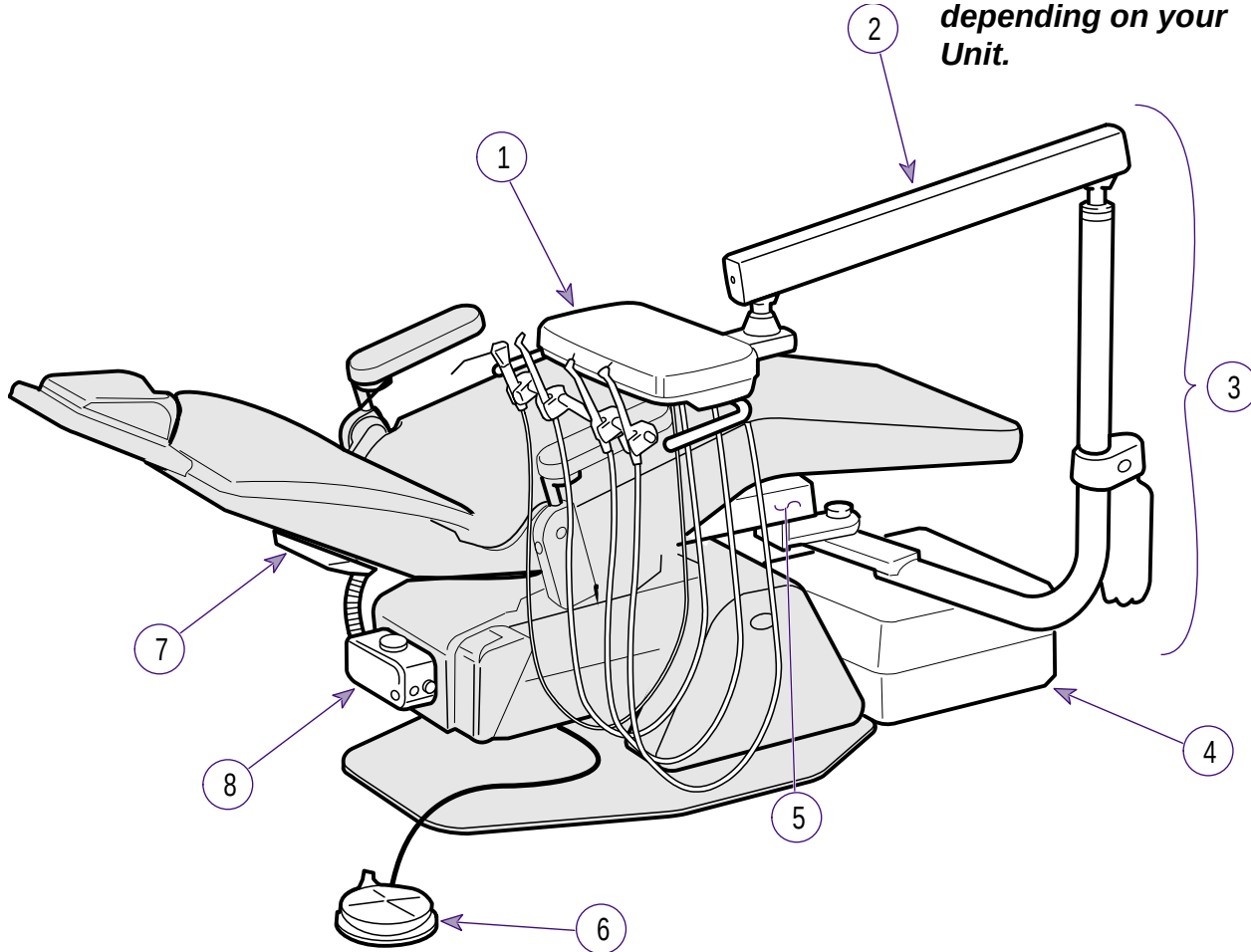
Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Whip-style Delivery Unit Assembly ...	6-19	3		Delivery Unit Arm Assembly	6-52
2		Square Air Lock Flex Arm Assembly (shown)	6-50	4		Chair Mounted Console Assembly ...	6-30
		Oval Air Lock Flex Arm Assy (not shown)		5		Cuspidor Assembly	6-27
		Manual Lock Flex Arm Assembly (not shown)	6-51	6		Foot Control Assembly	6-74
				7		Lg. Junction Box Assy (shown)	6-62
						Sm. Junction Box Assy	6-63

Always Specify Model & Serial Number

Pictorial Index

Asepsis 21 Concept LR Unit

**NOTE: Flex Arm
maybe Oval or Square
depending on your
Unit.**



KA925300

Applies to units with UA, UC, & PJ serial number prefixes

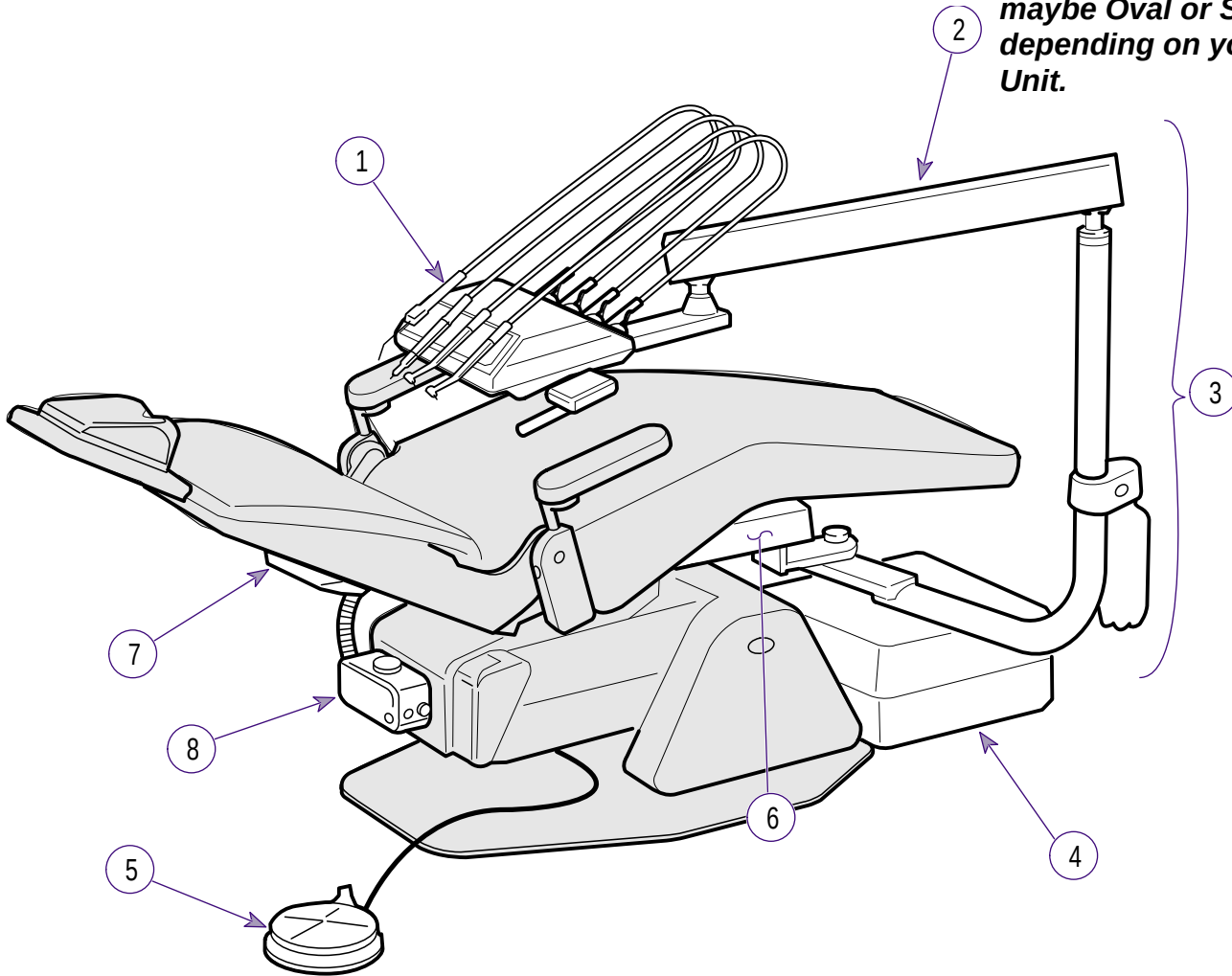
Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Asepsis 21 Delivery Unit Assy	6-18	4		Lg. Junction Box Assy (shown)	6-62
2		Square Air Lock Flex Arm Assembly (shown).....	6-50			Sm. Junction Box Assy	6-63
		Oval Air Lock Flex Arm Assy (not shown)		5		LR Console Components	6-56
		Manual Lock Flex Arm Assembly		6		Foot Control Assembly	6-74
		(not shown)	6-51	7		LR Vac Pak Upper Components	6-57
3		LR Unit Arm Assembly	6-55	8		LR Vac Pak Lower Components	6-58

Always Specify Model & Serial Number

Pictorial Index

Whip-style Concept LR Unit

**NOTE: Flex Arm
maybe Oval or Square
depending on your
Unit.**



KA925500

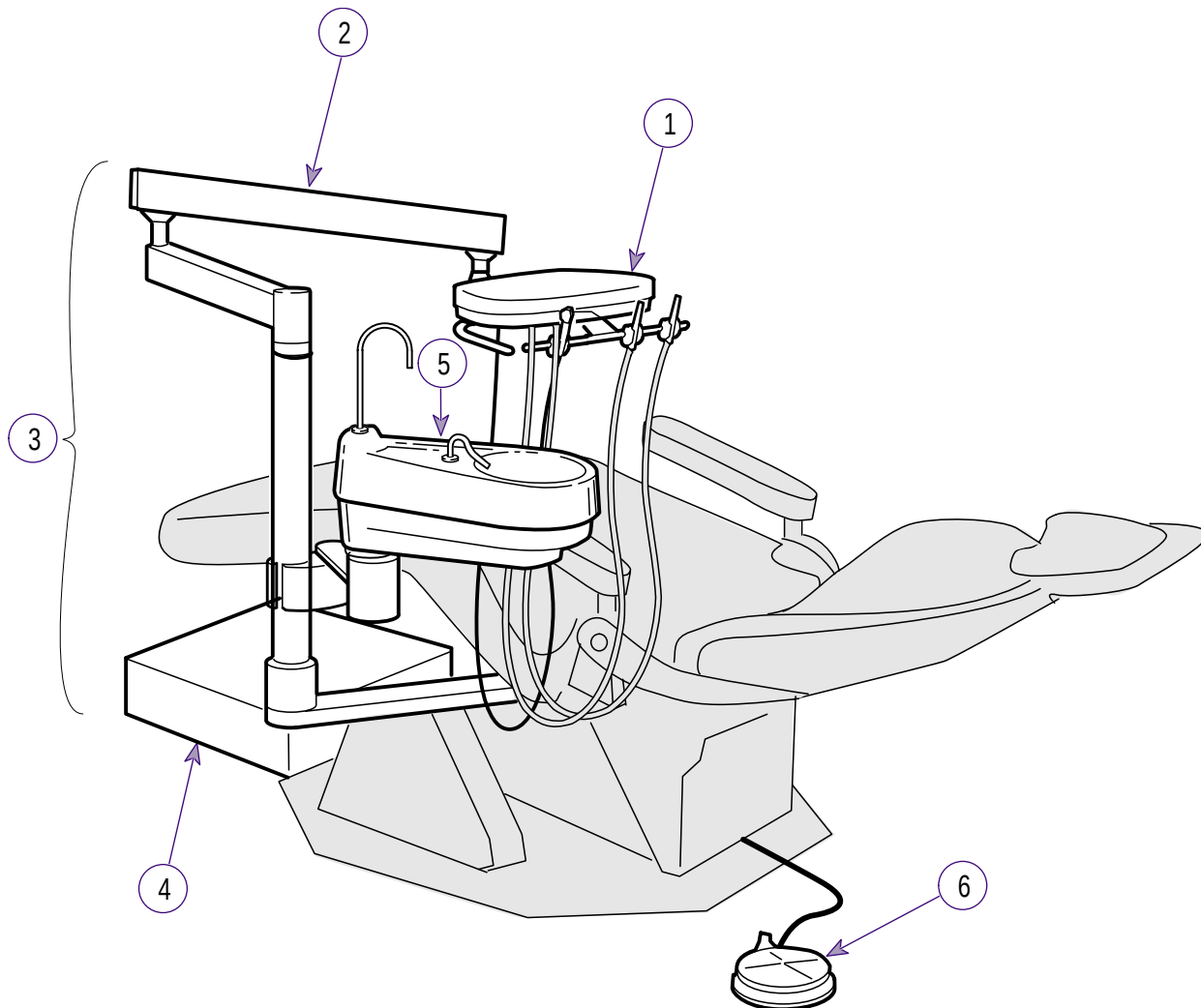
Applies to units with UW, & PK serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Whip-style Delivery Unit Assy	6-34	4		Lg. Junction Box Assy (shown)	6-62
2		Square Air Lock Flex Arm Assembly (shown).....	6-50			Sm. Junction Box Assy	6-63
		Oval Air Lock Flex Arm Assy (not shown)		5		Foot Control Assembly	6-74
		Manual Lock Flex Arm Assembly		6		LR Console Components	6-56
		(not shown)	6-51	7		LR Vac Pak Upper Components	6-57
3		LR Unit Arm Assembly	6-55	8		LR Vac Pak Lower Components	6-58

Always Specify Model & Serial Number

Pictorial Index

Asepsis 21 SLC Unit



KA925400

Applies to units with UA, UC, & PJ serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Asepsis 21 Delivery Unit Assy	6-18	4		Lg. Junction Box Assy (shown)	6-62
2		Air Lock Flex Arm Assy (shown)	6-50			Sm. Junction Box Assy	6-63
		Manual Lock Flex Arm Assembly	6-51	5		Cuspidor Assembly	6-27
3		SLC Unit Mounting Components	6-53	6		Foot Control Assembly	6-74

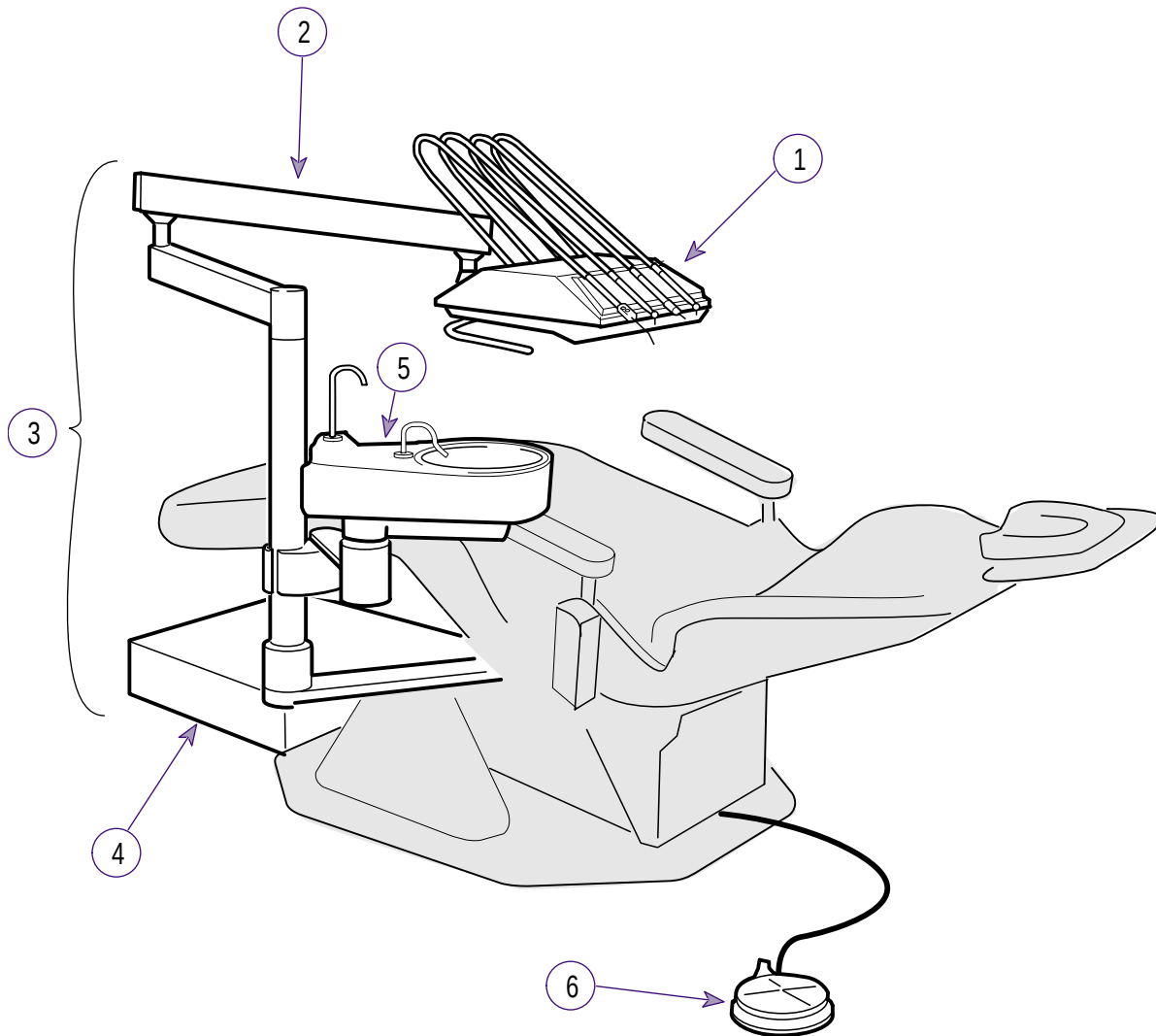
Always Specify Model & Serial Number

Pictorial Index

Whip-style SLC Unit

SECTION VI

PARTS LIST



KA925000

Applies to units with UW, & PK serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Whip-style Delivery Unit Assy	6-19	4		Lg. Junction Box Assy (shown)	6-62
2		Air Lock Flex Arm Assy (shown)	6-50			Sm. Junction Box Assy	6-63
		Manual Lock Flex Arm Assembly	6-51	5		Cuspidor Assembly	6-27
3		SLC Unit Mounting Components	6-53	6		Foot Control Assembly	6-74

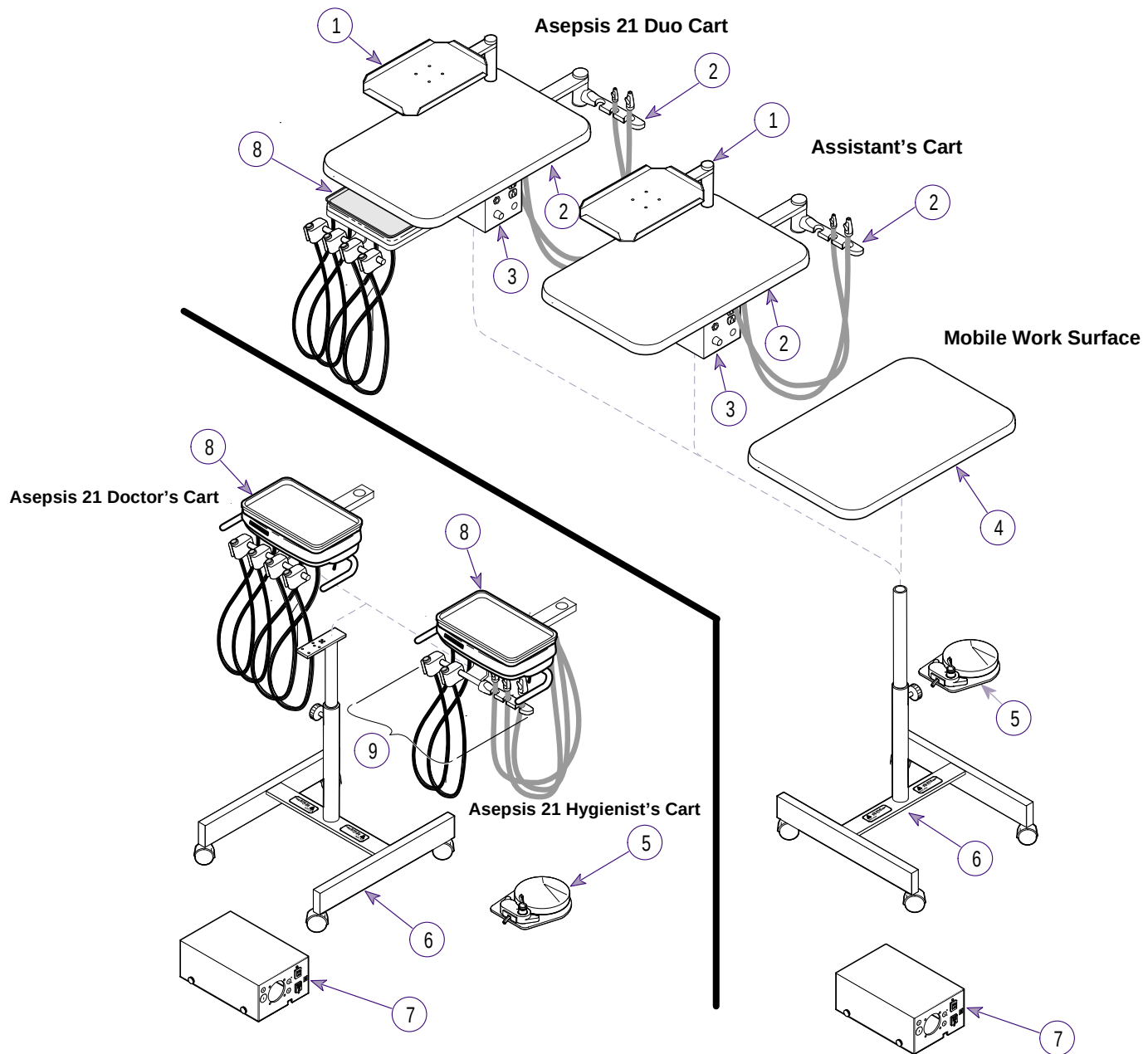
Always Specify Model & Serial Number

Pictorial Index

Cart Assemblies

SECTION VI

PARTS LIST



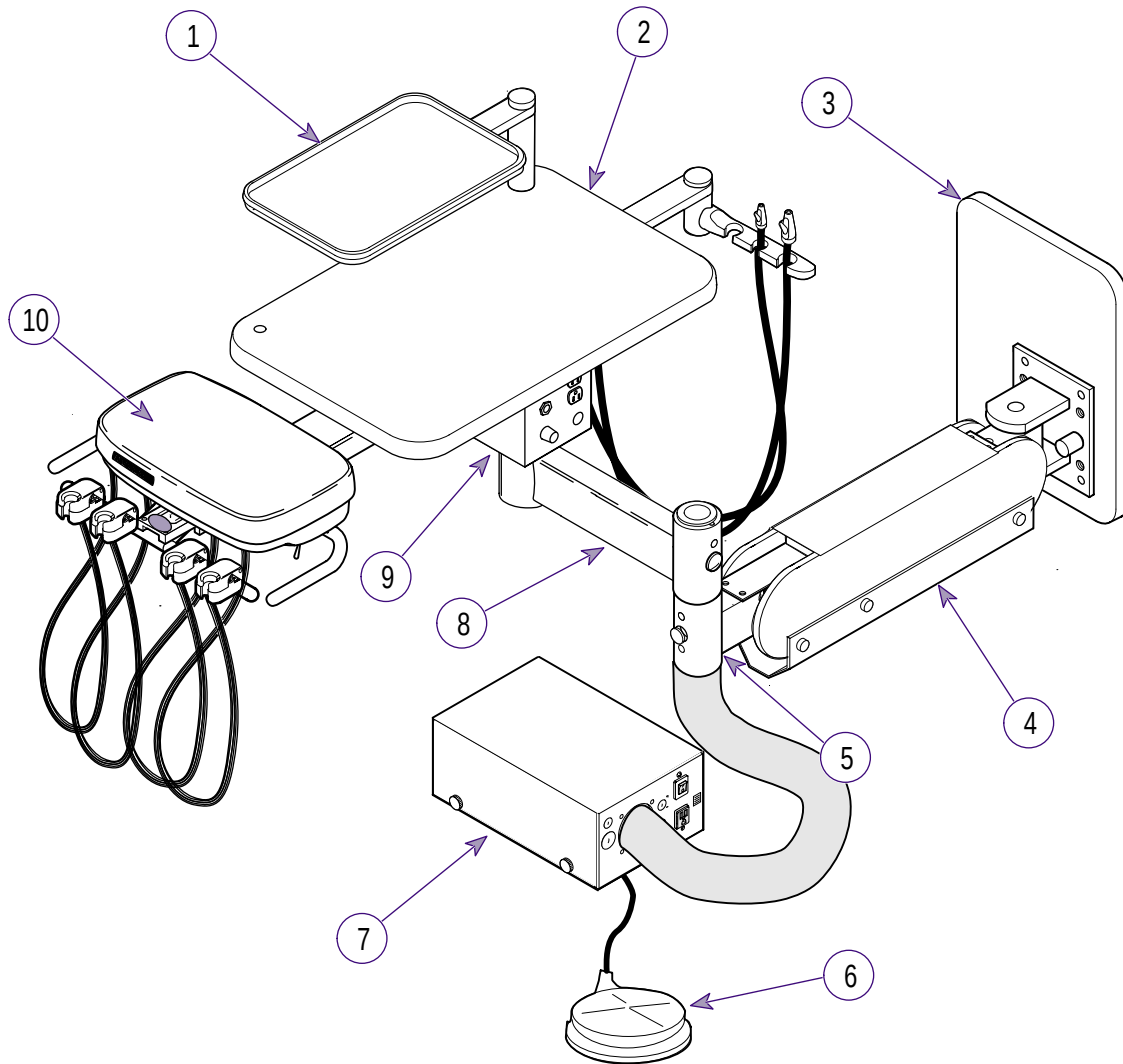
AF211000

Applies to units with UK, & PM serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Tub Support Arm Assy (shown).....	6-38	5		Foot Control Assembly	6-74
		Instrument Tray Arm Assy	6-37	6		Cart Assembly Base Components	6-42
2		Asepsis 21 Duo / Assistant's Top Components	6-39	7		Sm. Junction Box Assy (shown).....	6-63
3		Asepsis 21 Duo / Assistant's Housing Components	6-40	8		Lg. Junction Box Assy	6-62
4		Mobile Work Surface Top Components	6-41	9		Asepsis 21 Delivery Unit Assy	6-18
						Vacuum Instruments Mounting Components	6-75

Always Specify Model & Serial Number

Pictorial Index

Asepsis 21 Duo & Assistant's
Wall/Cabinet Mounted Delivery Systems

KA925600

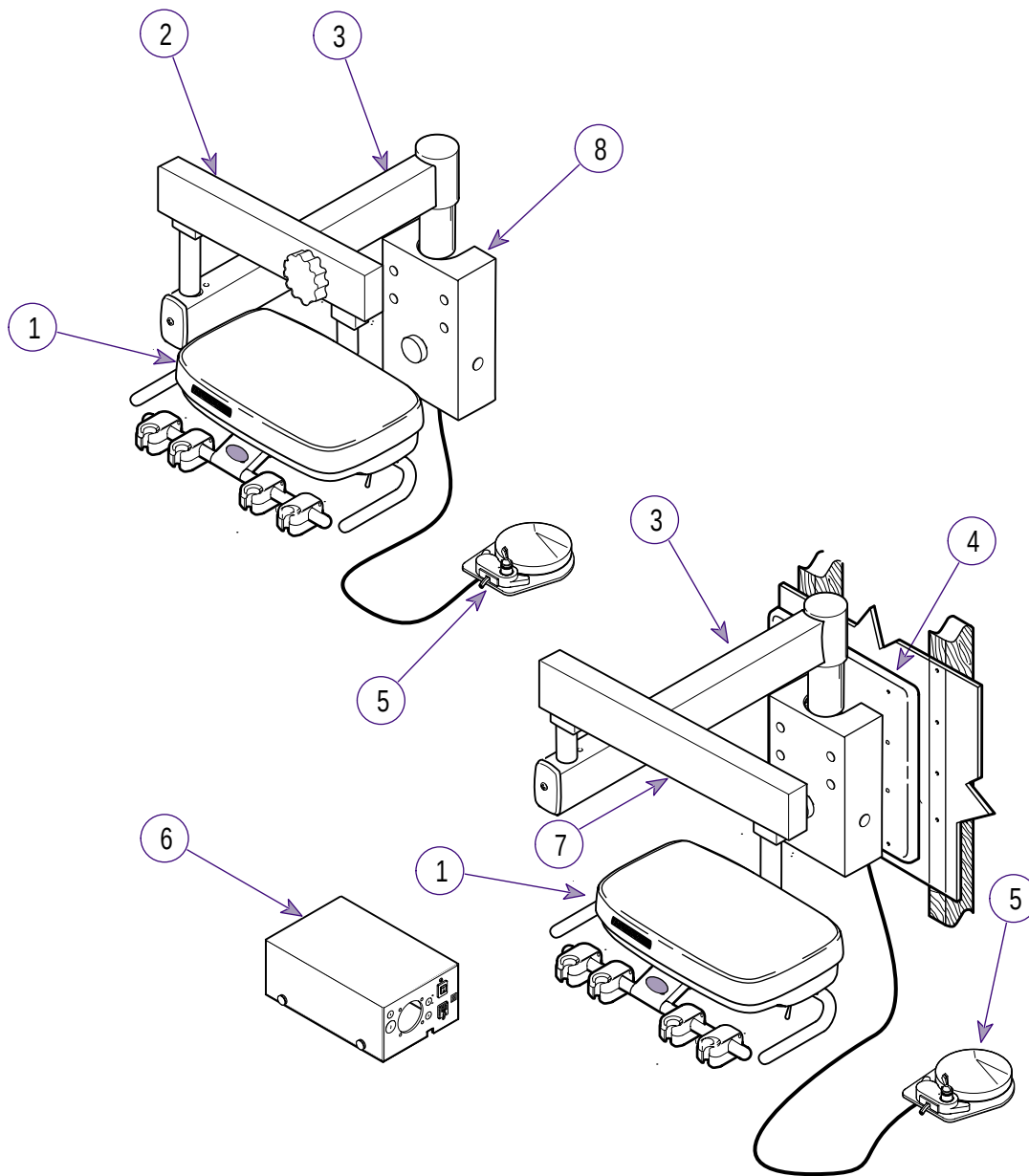
Applies to units with UA, UC, & PJ serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Inst. Tray Arm Assy (shown)	6-37	5		Duo Arm Pivot Joint Assembly	6-44
		Tub Support Arm Assy	6-38	6		Foot Control Assembly	6-74
2		Asepsis 21 Duo / Assistant's Top Components	6-39	7		Sm. Junction Box Assy (shown)	6-63
3		Duo Unit Wall Mt. Components (shown)	6-45			Lg. Junction Box Assy	6-62
		Duo Unit Cabinet Mt. Components	6-46	8		Fixed Arm Assembly	6-54
4		Duo Arm Assembly (Adjustable)	6-43	9		Asepsis 21 Duo / Assistant's Housing Components	6-40
				10		Asepsis 21 Delivery Unit Assy	6-18

Always Specify Model & Serial Number

Pictorial Index

Long/Short Arm Side Delivery Systems



AF214000

Applies to units with UA, UC, PJ serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Asepsis 21 Delivery Unit Components	6-18	8		Side Delivery Unit Cabinet Mount Components	6-48
2		Manual Lock Flex Arm Assembly	6-51			Conversion Kits	
3		Fixed Arm Assembly	6-54			Long Arm to Short Arm Conversion Kit	
4		Side Delivery Unit Wall Mount Components	6-47			(includes short Fixed Arm only)	
5		Foot Control Assembly	6-74	153232		(sterling)	
		For manifolds, valves, etc. for cabinet mounted units, refer to Lg/Sm Junction Box Assembly				Long Arm to Short Arm Conversion Kit	
6		Sm. Junction Box Assy (shown).....	6-63	152957		(sterling)	
		Lg. Junction Box Assy	6-62	152957-01		(pebble)	
7		Air Lock Flex Arm Assembly	6-50				

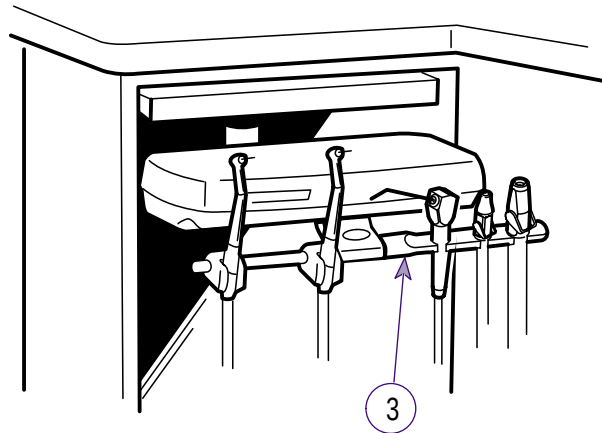
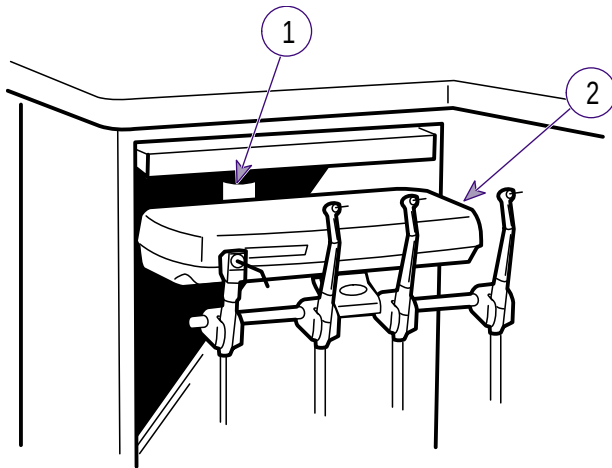
Always Specify Model & Serial Number

Pictorial Index

Rear Delivery System

SECTION VI

PARTS LIST



AF213900

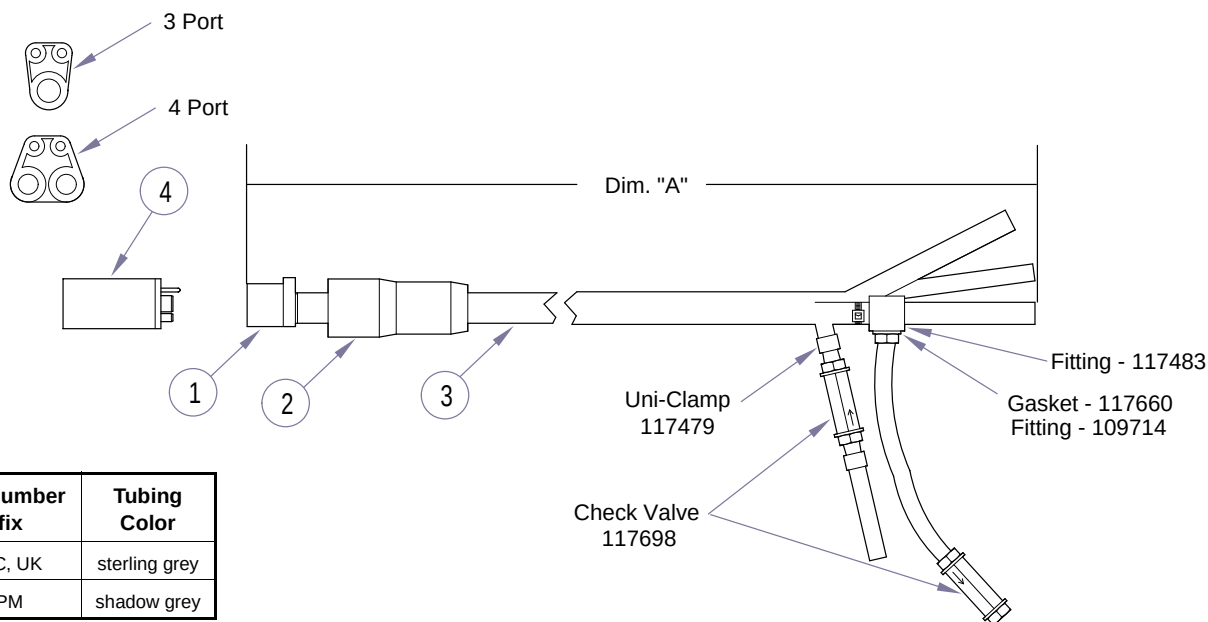
Applies to units with UA, UC, & PJ serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Rear Delivery Cabinet Mount Components	6-49	3		Vacuum Instruments Mounting Components	6-75
2		Asepsis 21 Delivery Unit Assy	6-18				

Always Specify Model & Serial Number

Asepsis 21

Handpiece Tubing



Serial Number Prefix	Tubing Color
UA, UC, UK	sterling grey
PJ, PM	shadow grey

AF925900

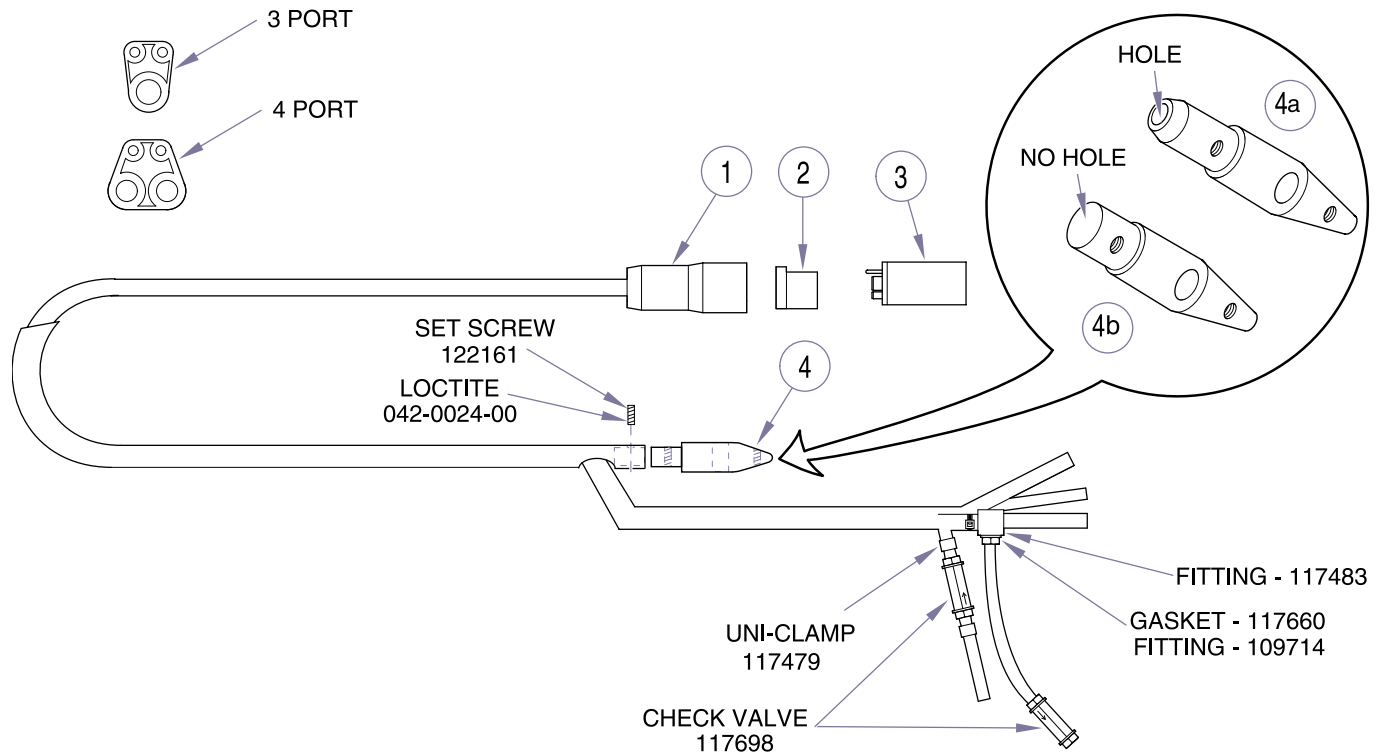
Description	Length (Dim. "A")	Assembly Number (Includes items 1 thru 4, and all valves, fittings & tubing shown above)	Adapter Assy (Item #1)	Connection Nut (Item #2)	Tubing (Item #3)	Lamp Module (Item #4)
3-Port, Straight	52.0 in. (132.1 cm)	151737 (<i>sterling</i>) 151737-01 (<i>shadow</i>)	120205	120164-2	275270 (<i>sterling</i>) S059-00119 (<i>shadow</i>) (must specify qty: 5 ft.)	none
3-Port, Straight	62.0 in. (157.5 cm)	152169 (<i>sterling</i>) 152169-01 (<i>shadow</i>)	120205	120164-2	275270 (<i>sterling</i>) S059-00119 (<i>shadow</i>) (must specify qty: 6 ft.)	none
3-Port, Coiled	-	151648 (<i>sterling</i>) 151648-01 (<i>shadow</i>)	120205	057-0733-00	120204 (<i>sterling</i>) 053-1170-00 (<i>shadow</i>)	none
4-Port, Straight	52.0 in. (132.1 cm)	151736 (<i>sterling</i>) 151736-01 (<i>shadow</i>)	120203	057-0733-00	275269 (<i>sterling</i>) S059-00118 (<i>shadow</i>) (must specify qty: 5 ft.)	none
4-Port, Straight	62.0 in. (157.5 cm)	152170 (<i>sterling</i>) 152170-01 (<i>shadow</i>)	120203	057-0733-00	275269 (<i>sterling</i>) S059-00118 (<i>shadow</i>) (must specify qty: 6 ft.)	none
4-Port, Straight, w/Lamp Module	52.0 in. (132.1 cm)	152024 (<i>sterling</i>) 152024-01 (<i>shadow</i>)	-	-	152878 (<i>sterling</i>) 120721-01 (<i>shadow</i>) (incl. items 1 & 2)	120722
4-Port, Straight, w/Lamp Module	62.0 in. (157.5 cm)	152171(<i>sterling</i>) 152171-01 (<i>shadow</i>)	-	-	152878 (<i>sterling</i>) 120721-01 (<i>shadow</i>) (incl. items 1 & 2)	120722
4-Port, Straight, ISO-C	52.0 in. (132.1 cm)	152026 (<i>sterling</i>) 152026-01 (<i>shadow</i>)	-	057-0734-00	120632 (<i>sterling</i>) 120632-01 (<i>shadow</i>) (incl. item 1)	none
4-Port, Straight, ISO-C	62.0 in. (157.5 cm)	152178 (<i>sterling</i>) 152178-01 (<i>shadow</i>)	-	057-0734-00	120632 (<i>sterling</i>) 120632-01 (<i>shadow</i>) (incl. item 1)	none
4-Port, Coiled	-	151646 (<i>sterling</i>) 151646-01 (<i>shadow</i>)	120203	057-0734-00	120202 (<i>sterling</i>) 151646-01 (<i>shadow</i>)	none
4-Port, Coiled, w/Lamp Module	-	152023 (<i>sterling</i>) 152023-01 (<i>shadow</i>)	-	-	120720 (<i>sterling</i>) 120720-01 (<i>shadow</i>) (incl. items 1 & 2)	120722
4-Port, Coiled, ISO-C	-	152025 (<i>sterling</i>) 152025-01 (<i>shadow</i>)	-	057-0734-00	120633 (<i>sterling</i>) 120633-01 (<i>shadow</i>) (incl. item 1)	none

Always Specify Model & Serial Number

Whip Unit

Handpiece Tubing

NOTE: All tubing on this page is Sterling Grey



NOTE:

Older units have a sleeve [2.25 in. (5.7 cm) long] and an internal rod instead of the external tubing support shown. The assembly shown above replaces all international handpiece tubing designs. However, when replacing handpiece tubing on units with old style whip pivot (4a), the new style whip pivot (4b) **must** be ordered in addition to the assembly number.

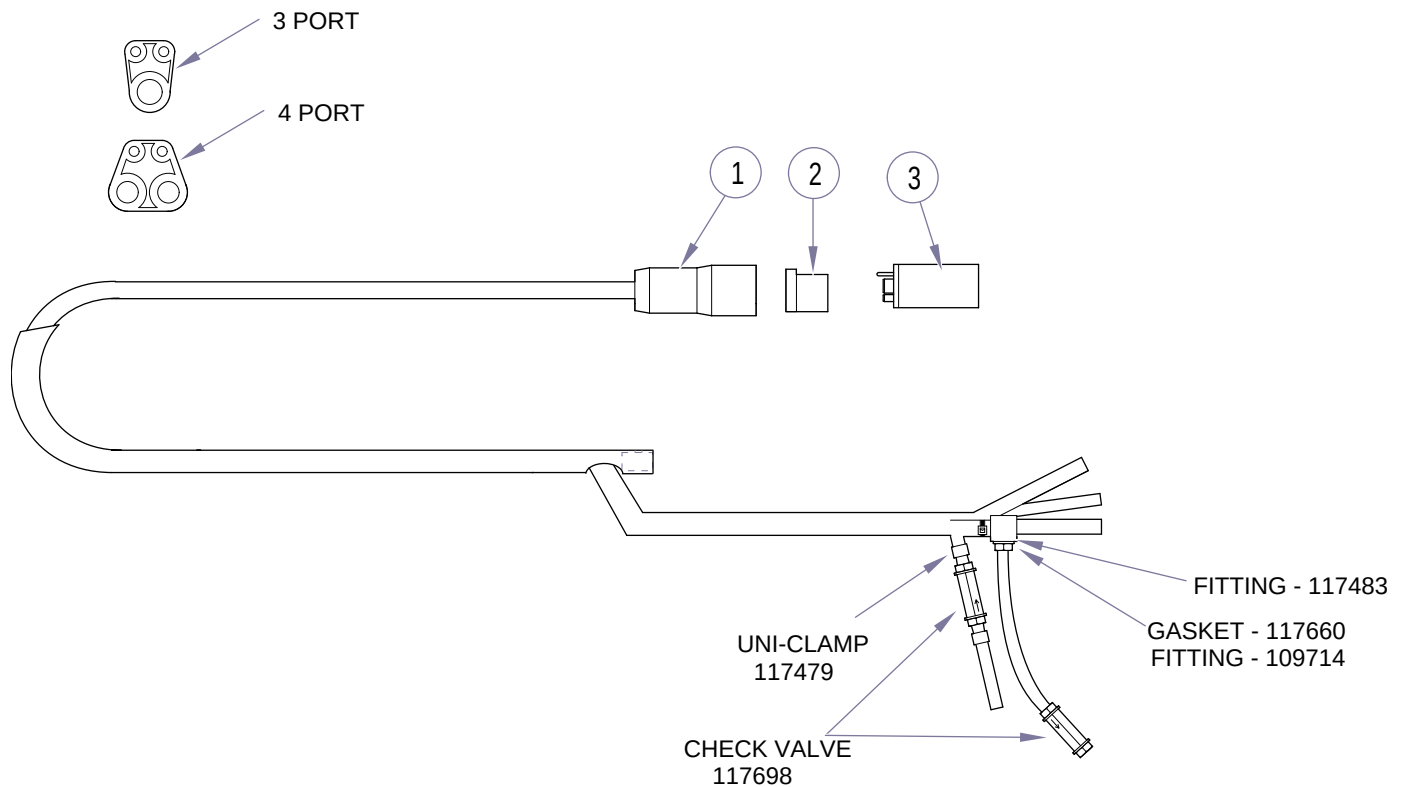
KA935701i

Applies to units w/serial number prefix "UW" built before 5-1-00

Description	Assembly Number (Includes items 1 thru 3, and all valves, fittings & tubing shown above)	Connection Nut (Item #1)	Adapter Assy (Item #2)	Lamp Module (Item #3)	Whip Pivot (Item #4b) <u>Not Included with assembly</u>
4-Port	152051	057-0734-00	120203	none	057-0590-00
3-Port	152052	057-0733-00	120205	none	057-0590-00
4-Port, w/ Lamp Module	152021	-	-	120722	057-0590-00
4-Port, ISO-C	152022	057-0734-00	-	none	057-0590-00

Always Specify Model & Serial Number

Whip Unit Handpiece Tubing



Serial Number Prefix	Tubing Color
UW	sterling grey
PK	shadow grey

KA935800

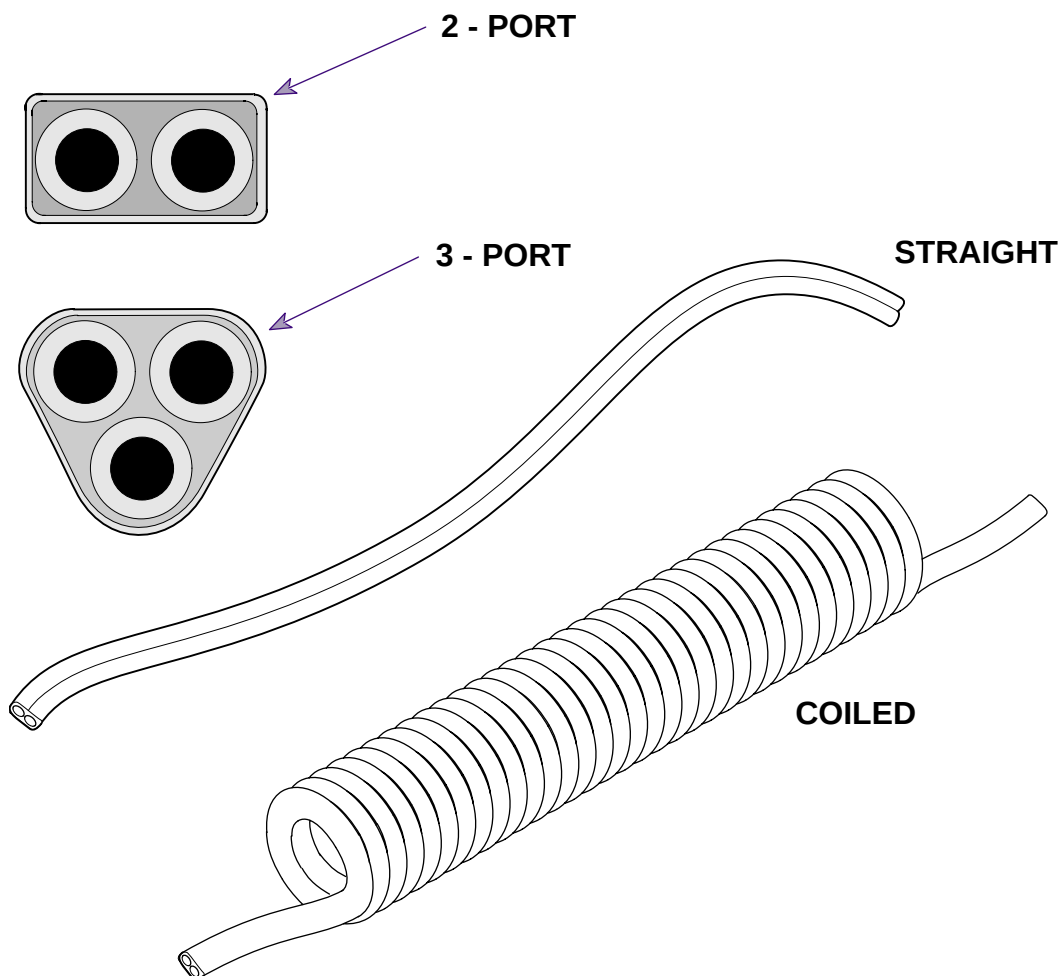
**Applies to units w/serial number prefix "UW" built after 5-1-00
and all units w/ serial number prefix "PK"**

Description	Assembly Number (Includes items 1 thru 3, and all valves, fittings & tubing shown above)	Connection Nut (Item #1)	Adapter Assy (Item #2)	Lamp Module (Item #3)
4-Port	152051 (<i>sterling</i>) 151914-01 (<i>shadow</i>)	057-0734-00	120203	none
3-Port	152052 (<i>sterling</i>) 151913-01 (<i>shadow</i>)	057-0733-00	120205	none
4-Port, w/ Lamp Module	152021 (<i>sterling</i>) 152021-01 (<i>shadow</i>)	-	-	120722
4-Port, ISO-C	152022 (<i>sterling</i>) 152022-01 (<i>shadow</i>)	057-0734-00	-	none

Always Specify Model & Serial Number

Asepsis 21

Syringe Tubing



NOTE:

The heated syringe tubing assemblies (not shown) contain all wiring and connectors necessary to replace heated syringe tubing.



EQUIPMENT ALERT

Heated syringe tubing is slightly longer than standard handpiece tubing.

Do not attempt to shorten tubing. The entire length of tubing is necessary for proper function of the heated syringe. [Resistance measured across Molex connector **must** be 10 ± 1 ohms @ 77° F (25° C)].

Serial Number Prefix	Tubing Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	shadow grey

KA929800i1

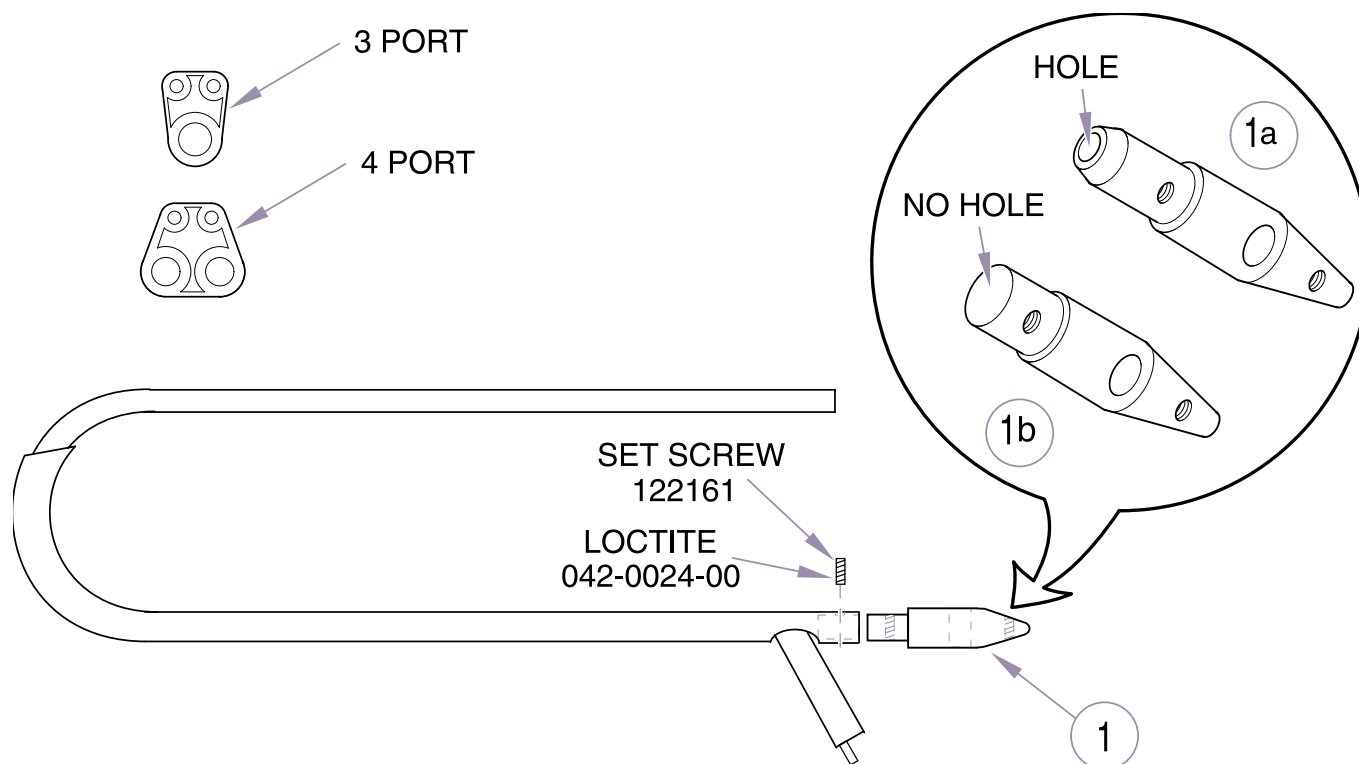
Part No.	Description	Quantity	Part No.	Description	Quantity
275271	2-Port, Straight, Unheated				
S059-00120	(sterling)..... per ft.			For Units w/o Vac Pak:	
	(shadow)..... per ft.		151867	3-Port, Straight, Heated	
				(sterling)..... 1	
			151867-01	(shadow)..... 1	
				For Units w/Vac Pak:	
120249	2-Port, Coiled, Unheated			3-Port, Straight, Heated	
053-1171-00	(sterling)..... 1		153171	(sterling)..... 1	
	(shadow)..... 1		153171-01	(shadow)..... 1	
151866	3-Port, Coiled, Heated				
	(sterling)..... 1				
151866-01	(shadow)..... 1				

Always Specify Model & Serial Number

Whip Unit

Syringe Tubing

NOTE: All tubing on this page is Sterling Grey



NOTE:

Older units have a sleeve [2.25 in. (5.7 cm) long] and an internal rod instead of the external tubing support shown. The assembly shown above replaces all international syringe tubing designs. However, when replacing syringe tubing on units with old style whip pivot (1a), the new style whip pivot (1b) **must** be ordered in addition to the assembly number.



EQUIPMENT ALERT

Heated syringe tubing is slightly longer than standard handpiece tubing.

Do not attempt to shorten tubing. The entire length of tubing is necessary for proper function of the heated syringe. [Resistance measured across Molex connector **must** be 10±1 ohms @ 77° f (25° C)].

KA936001i

Applies to units w/serial number prefix "UW" built before 5-1-00

Description	Assembly Number	Whip Pivot (Item #1b) <u>Not Included with assembly</u>
4-Port, Unheated (shown)	151941	057-0590-00
4-Port, Heated	151921	057-0590-00

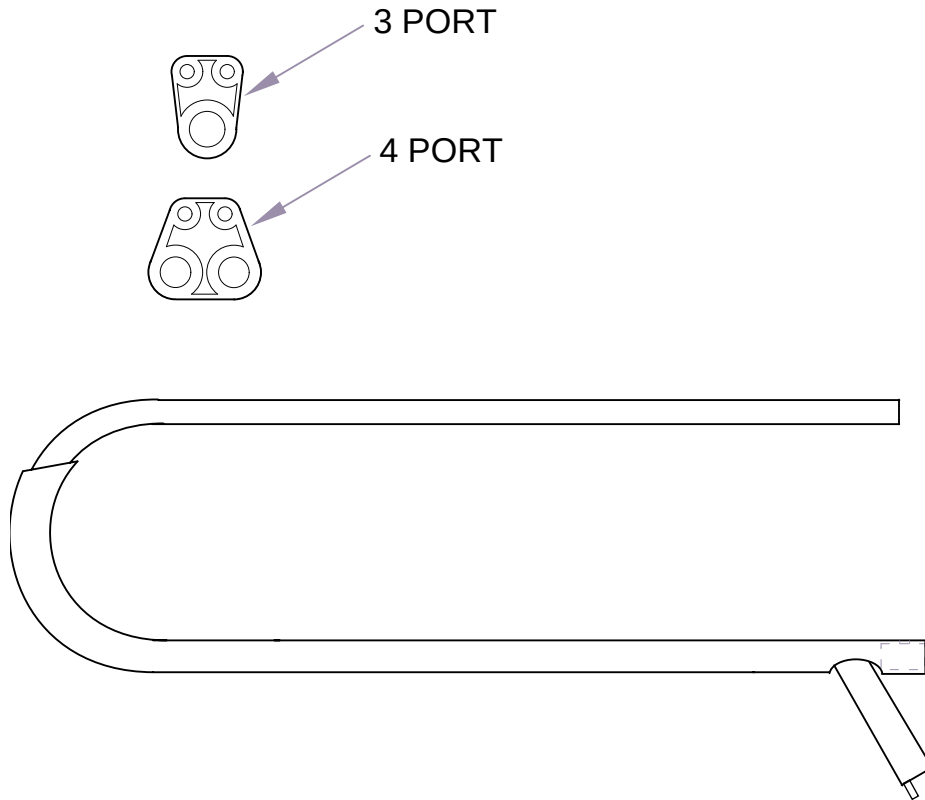
Always Specify Model & Serial Number

Whip Unit

Syringe Tubing

SECTION VI

PARTS LIST



EQUIPMENT ALERT

Heated syringe tubing is slightly longer than standard handpiece tubing.

Do not attempt to shorten tubing. The entire length of tubing is necessary for proper function of the heated syringe. [Resistance measured across Molex connector *must* be 10 ± 1 ohms @ 77° f (25° C)].

Serial Number Prefix	Tubing Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	shadow grey

KA935900

**Applies to units w/serial number prefix "UW" built after 5-1-00
and all units w/ serial number prefix "PK"**

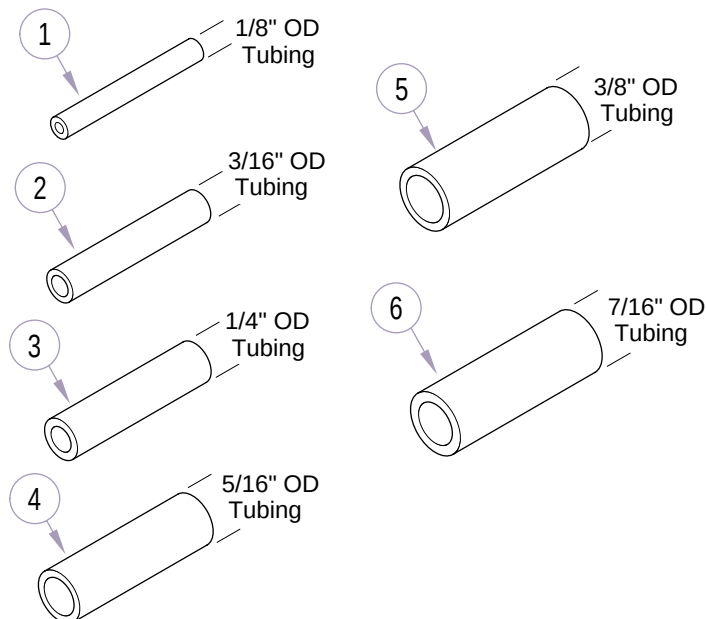
Part No.	Description	Quantity	Part No.	Description	Quantity
151941	4-Port, Unheated (sterling)	1	151921	4-Port, Heated (sterling)	1
151941-01	(shadow)	1	151921-01	(shadow)	1

Always Specify Model & Serial Number

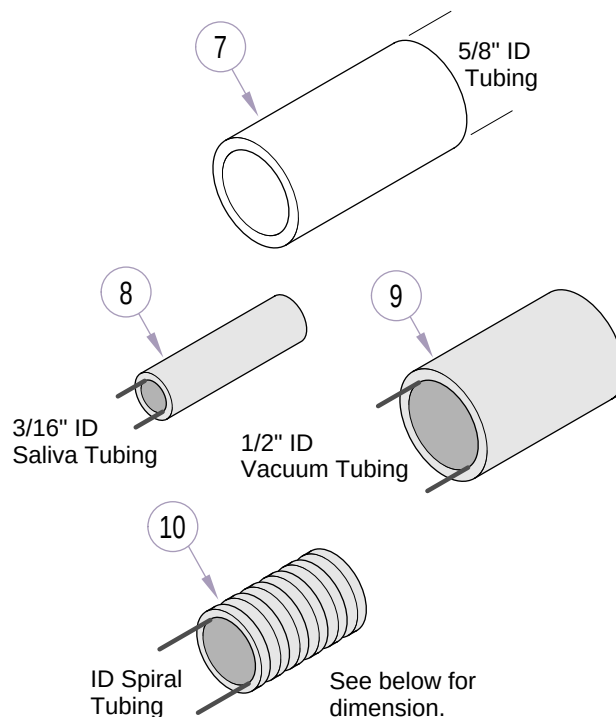
Internal Tubing

SECTION VI PARTS LIST

O.D. Tubing



I.D. Tubing



NOTE:

All tubing must be ordered by the foot. Therefore, the quantity ordered is the amount of feet of tubing needed. Example: ordering a quantity of 2 would be ordering two feet of tubing.

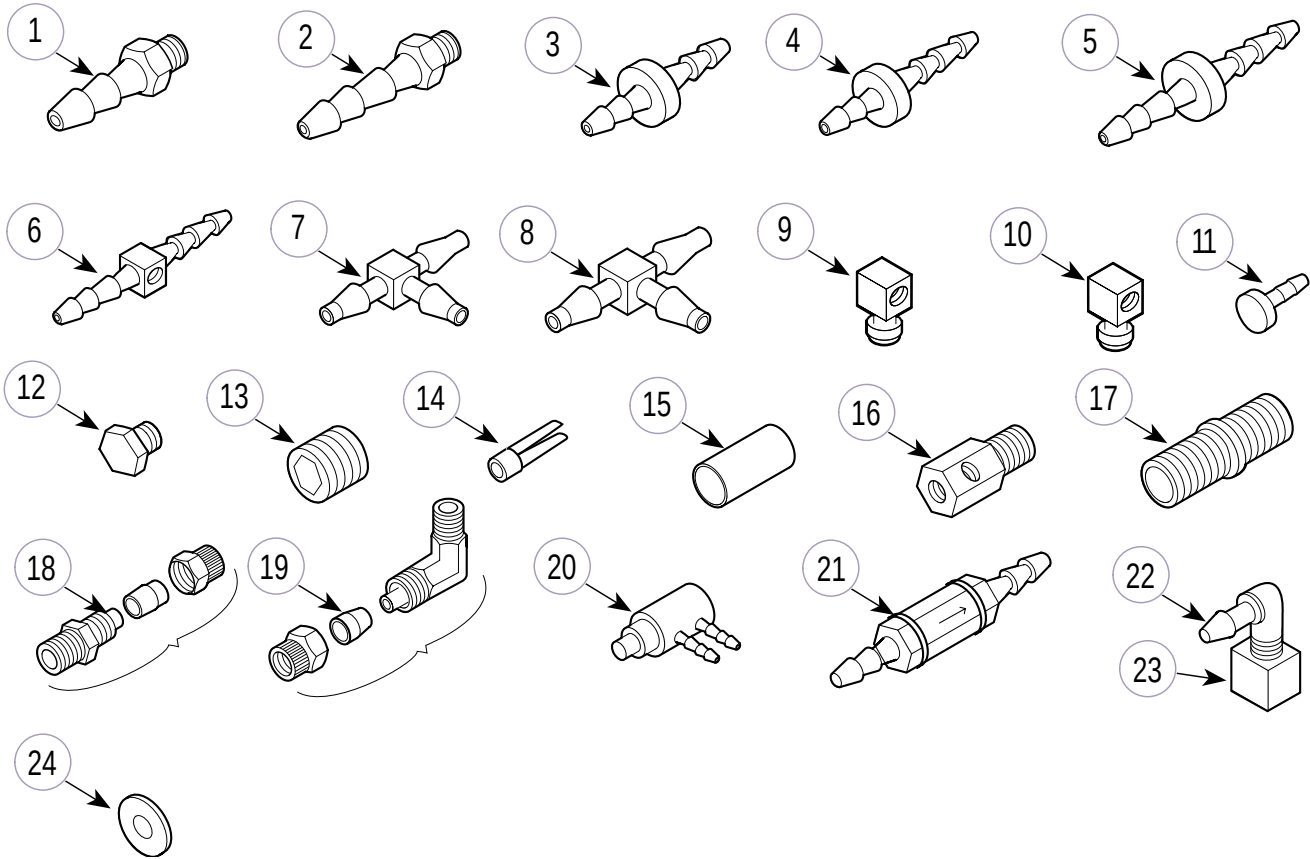
AF211701i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	177523	Blue Tubing, 1/8" O.D.	AR	7	R4786	Clear Tubing, 5/8" I.D.	AR
	177551	Brown Tubing, 1/8" O.D.	AR	8	275253	Grey Tubing, Saliva Ejector, 3/16" I.D. AR	
	177529	Clear Tubing, 1/8" O.D.	AR		S059-00127	Shadow Grey Tubing, Saliva Ejector, 3/16" I.D.	AR
	176016	105° PVC Tubing, 1/8" O.D.	AR				
	177552	Green Tubing, 1/8" O.D.	AR	9	275254	Grey Tubing, Vacuum, 1/2" I.D.	AR
	177532	Orange Tubing, 1/8" O.D.	AR		S059-00128	Shadow Grey Tubing, Vacuum, 1/2" I.D.	AR
	177531	Red Tubing, 1/8" O.D.	AR				
	177528	Violet Tubing, 1/8" O.D.	AR	10	275255	Grey Spiral Tubing, 1/2" I.D.	AR
	275257	White Tubing, 1/8" O.D.	AR		S059-00125	Shadow Grey Spiral Tubing, 1/2" I.D.	AR
	177530	Yellow Tubing, 1/8" O.D.	AR		275375	Grey Spiral Tubing, 5/8" I.D.	AR
2	177606	Clear Tubing, 3/16" O.D.	AR		S059-00126	Shadow Grey Spiral Tubing, 5/8" I.D.	AR
3	177483	Black Tubing, 1/4" O.D.	AR		275402	Grey Spiral Tubing, 3/4" I.D.	AR
	177524	Blue Tubing, 1/4" O.D.	AR		S059-00121	Shadow Grey Spiral Tubing, 3/4" I.D.	AR
	177533	Clear Tubing, 1/4" O.D.	AR		275328	Grey Spiral Tubing, 1" I.D.	AR
	275263	Yellow Tubing, 1/4" O.D.	AR		S059-00123	Shadow Grey Spiral Tubing, 1" I.D.	AR
4	176037	Black Tubing, 5/16" O.D.	AR		275225	Grey Spiral Tubing, 1-1/4" I.D.	AR
5	275274	Black Tubing, 3/8" O.D.	AR		S059-00132	Shadow Grey Spiral Tubing, 1-1/4" I.D.	AR
6	R4761	Clear Tubing, 7/16" O.D.	AR				
					275336	Grey Spiral Tubing, 1-1/2" I.D.	AR
					S059-00122	Shadow Grey Spiral Tubing, 1-1/2" I.D.	AR

Always Specify Model & Serial Number

Connectors & Fittings

SECTION VI PARTS LIST



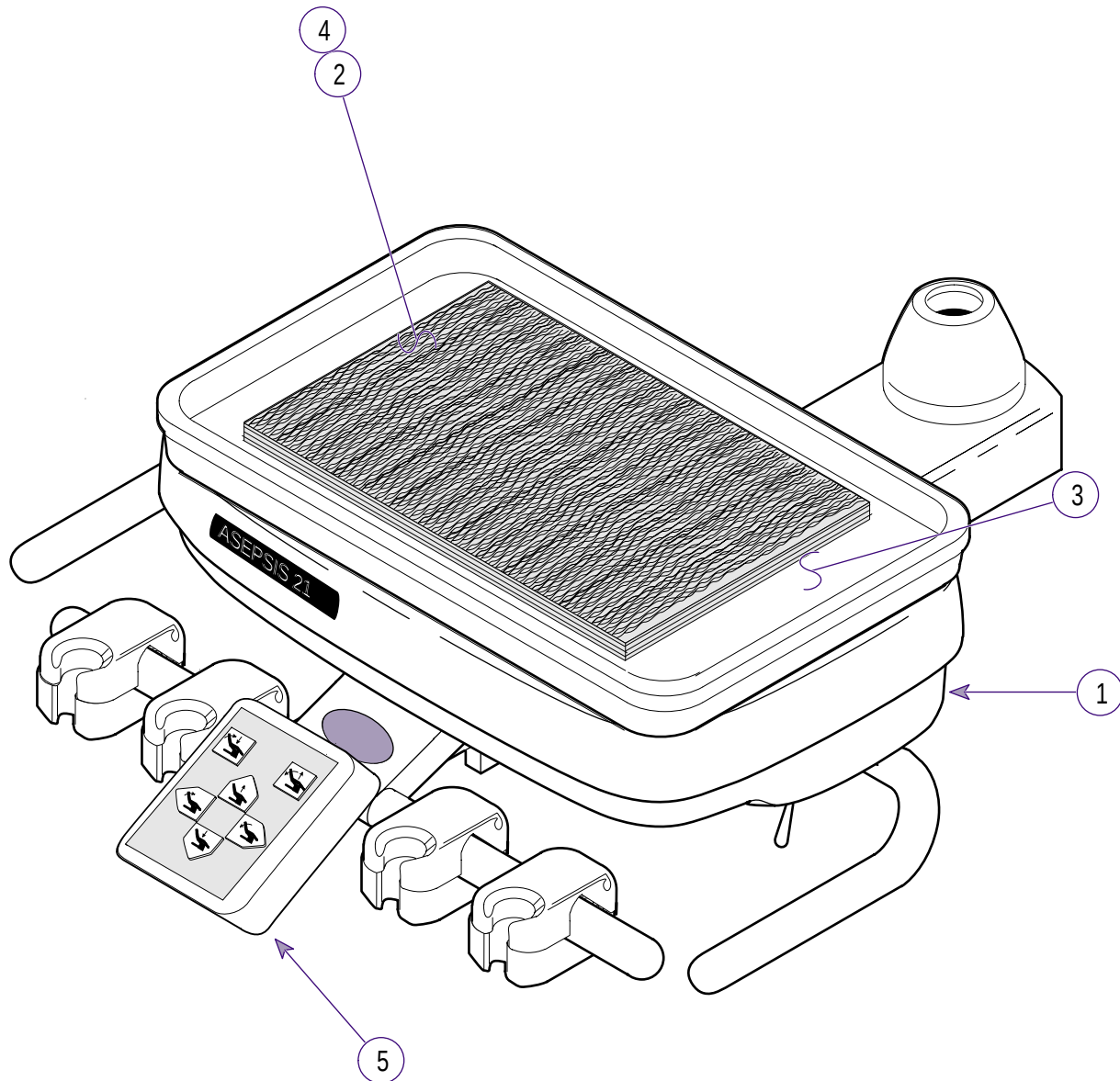
KA916300

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	109714	Connector, #10-32 to 1/8" O.D. Tube .. AR		13	117662	Brass Plug, 1/8-27 NPTF Pipe	AR
2	117349	Connector, #10-32 to 1/4" O.D. Tube .. AR		14	117479	Uni-Clamp, 1/8" O.D. Tube	AR
3	117481	Barb Fitting, 1/8" to 1/8" O.D. Tube	AR	15	117480	Sleeve Clamp, 1/4" O.D. Tube	AR
4	117739	Barb Fitting, 1/8" to 1/4" O.D. Tube	AR	16	117352	4-Way Tee, Three #10-32 Female Threads & One Male 1/8-27 NPT Thread	AR
5	117482	Barb Fitting, 1/4" to 1/4" O.D. Tube	AR	17	P16629	Nipple connector, 1/8-27 NPT	AR
6	117483	Barb Fitting, 1/4" to 1/4" O.D. Tube w/Female #10-32 Threads	AR	18	121084	Male Connector, 1/4" O.D. Tube to 1/8"-27 MPT	AR
7	117477	Barb Tee, 3-Way for 1/8" O.D. Tubes .. AR		19	137909	Male Elbow, 3/8" O.D. Tube to 1/8-27 MPT	AR
	122743	Barb Tee, 3-Way for 3/16" O.D. Tubes AR		20	120910	3-Way N.C. Valve, Inlet 1/4" O.D. Tube - Outlet 1/4" O.D. Tube	AR
8	117478	Barb Tee, 3-Way for 1/4" O.D. Tubes .. AR		21	117698	Check Valve, For 1/8" O.D. Tube	AR
9	113295	Control Valve Fitting w/0.062" Orifice, One Female & One Male w/#10-32 NF-2 Threads	AR	22	105547	Waste Elbow	AR
10	120361-2	Tee, Two Female & One Male w/#10-32 NF-2 Threads	AR	23	111506	Adapter	AR
11	118915	Plug, For 1/8" O.D. Tube	AR	24	117660	Gasket, Sealing	AR
12	117351	Brass Plug, #10-32 Threads	AR				

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit Overview

SECTION VI PARTS LIST

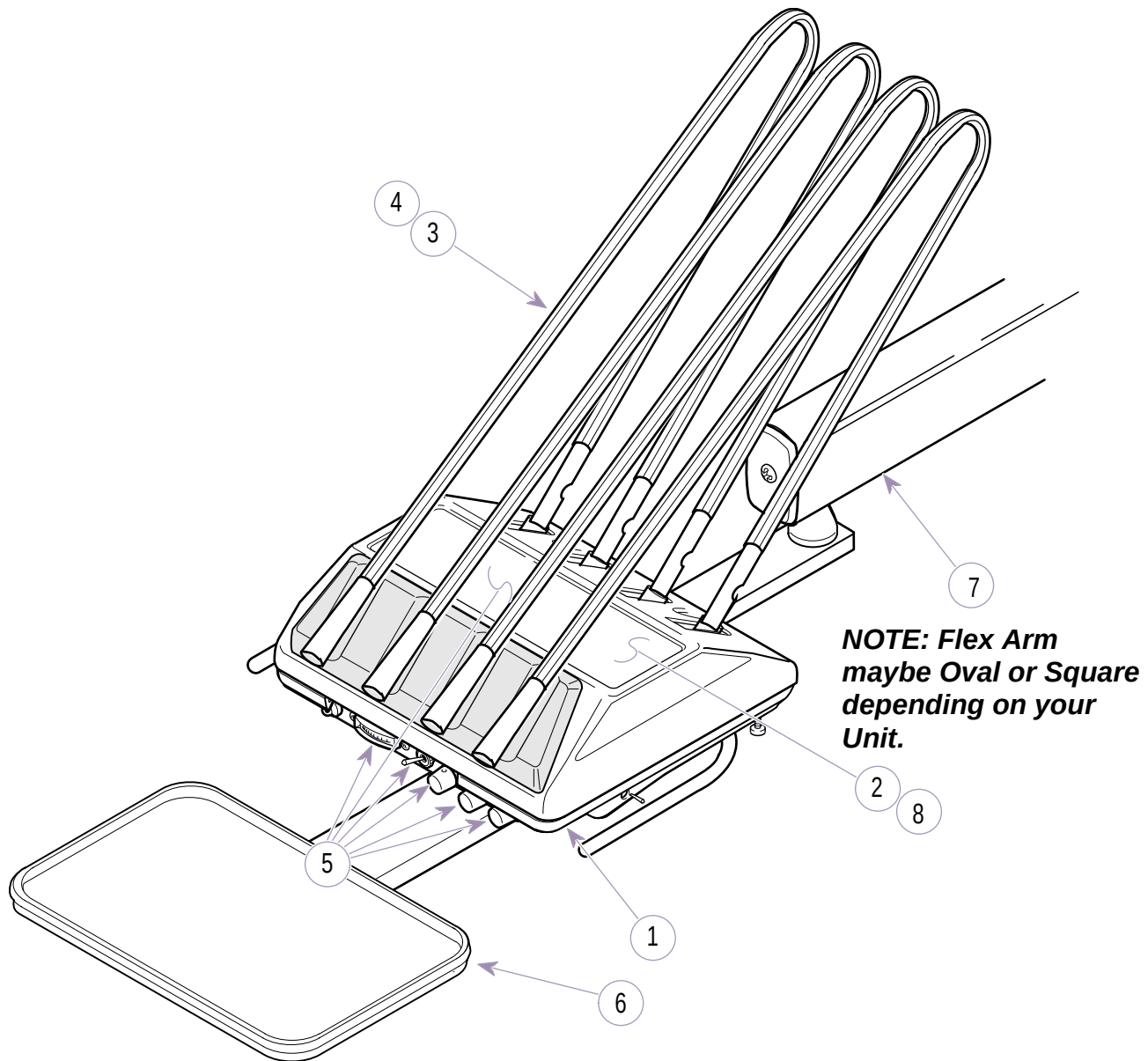


AF212200

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		"Asepsis 21 Delivery Unit Cover Components"	6-20	5		"Unit Mounted Chair Control"	6-76
2		"Asepsis 21 Delivery Unit Pneumatic/Hydraulic Components"	6-22	6		"Asepsis 21 Syringe Tubing"	6-14
3		Kink Valve Assembly	6-24	7		"Asepsis 21 Hndpc. Tubing"	6-12
4		Internal Tubing	6-16			(not shown).....	

Always Specify Model & Serial Number

Whip-style Delivery Unit Overview



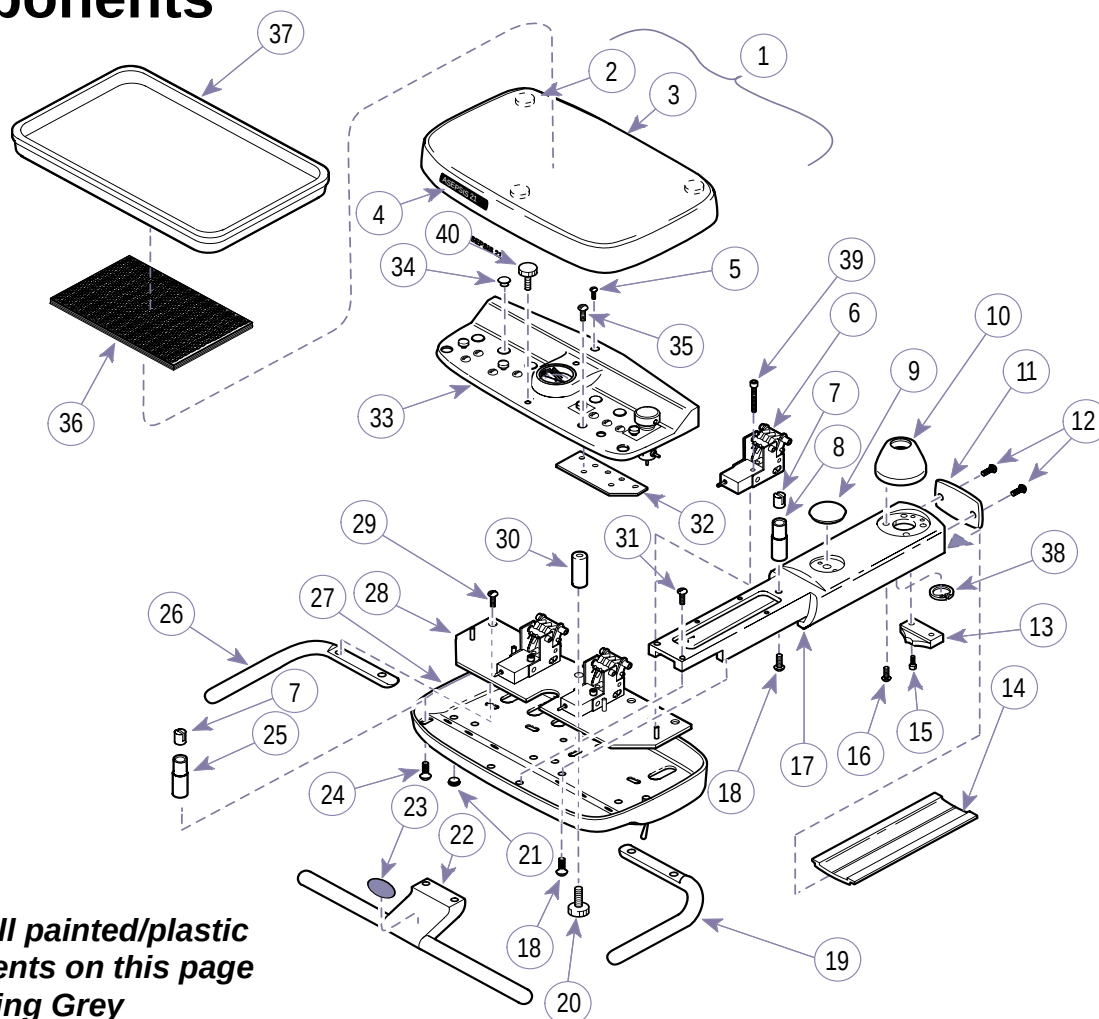
AF209000

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		"Whip Unit Cover Components"	6-21	6		"Whip Unit Inst.Tray Assy"	6-26
2		Kink Valve Assembly	6-24	7		Square Air Lock Flex	
3		"Whip Assembly"	6-25			Arm Assembly (shown)	6-50
4		"Whip Unit Hdpc. Tubing"	6-13			Oval Air Lock Flex Arm Assy (not shown)	
		"Whip Unit Syringe Tubing"	6-15			Manual Lock Flex Arm Assembly	
5		"Whip Unit Pneumatic /Hydraulic				(not shown)6-51	
		Components"	6-23	8		"Internal Tubing"	6-16

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit Cover Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

KA927000

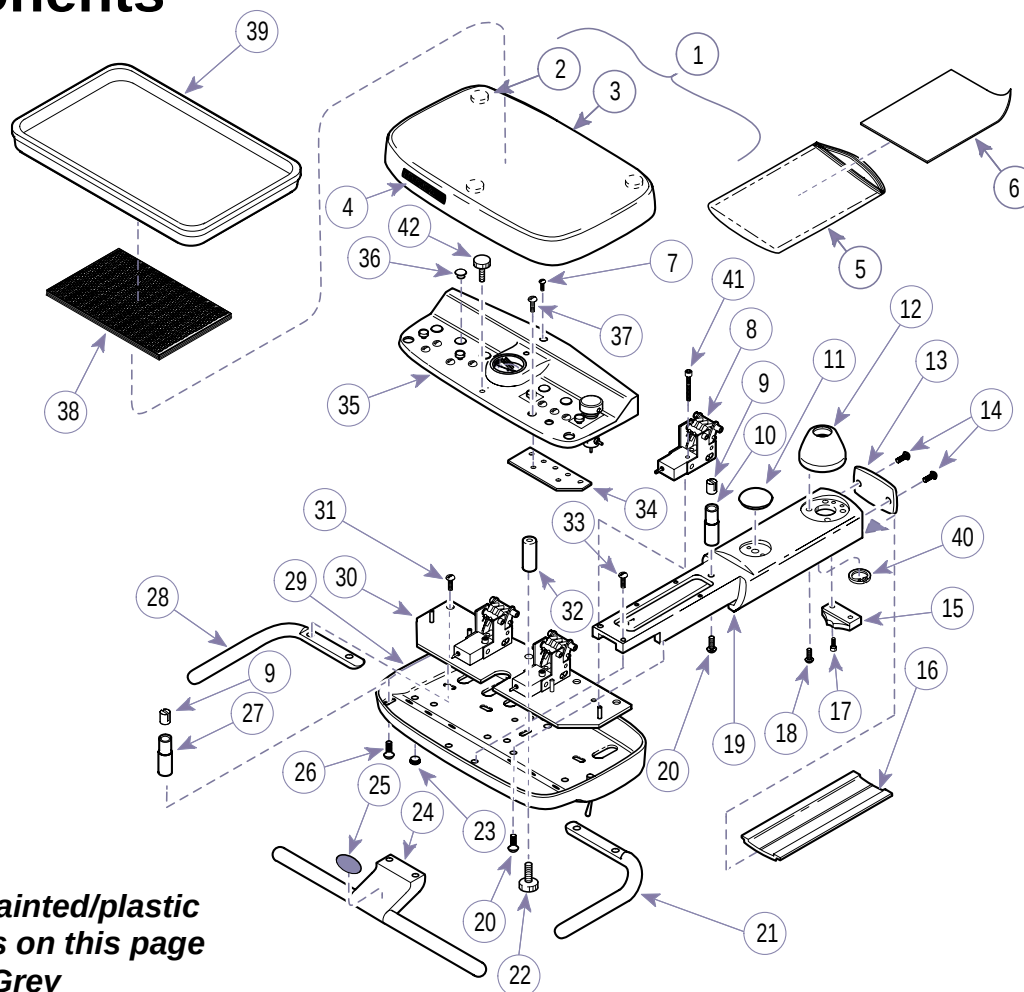
Applies to units with "UA" & "UK" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152077	Cover Assembly (Includes items 2 thru 4)	1	22	152103	Instrument Holder Bar Assembly Units w/o Chair Remote (shown) (Includes item 23).....	1
2	• 120873-2	• Magnetic Latch Disc	3			Units w/Chair Remote (not shown) (Refer to "Unit Mtd. Chair Control") . Ref	
3	• 120856	• Cover	1	23	• 121527	• Knight Logo - small.....	1
4	• 120936	• Name Plate	1	24	120233	Screw	4
5	042-0093-07	Stud	3	25	120872	Front Standoff	2
6		Refer to " Kink Valve Assembly ")	Ref	26	120883-1	Handle (Left)	1
7	120874	Magnet	3	27	120857	Lower Cover	1
8	120931	Rear Standoff	1	28	120887-1	Support Plate	1
9	120960-1	Tray Mount Plug.....	1	29	120233	Screw	
10	152048	Bearing Housing Assembly	1	30	120877	Rear Standoff.....	1
11	120881-1	End Cap	1	31	117601	Screw	2
12	121604	Screw	2	32	120885-2	Valve Mounting Plate	2
13	120592	Stop Block	1	33	120863	Inner Cover	
14	120880-1	Support Arm Bottom Cover	1	34	120236	Plug Button (0.50 in. Dia).....	4
15	C2822	Screw	2	35	P17928	Screw	8
16	P12577	Screw	4	36	120339	Non-Skid Pad	1
17	120878-1	Instrument Head Support	1	37	116599	Tray	1
18	P7017	Screw	8	38	110065	Retaining Ring	1
19	120882-1	Handle (Right)	1	39	120912	Screw	AR
20	151779	Thumbscrew	1	40	152071	Thumbscrew	1
21	120241	Plug Button (0.25 in.).....	1				

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit Cover Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

KA9270002i

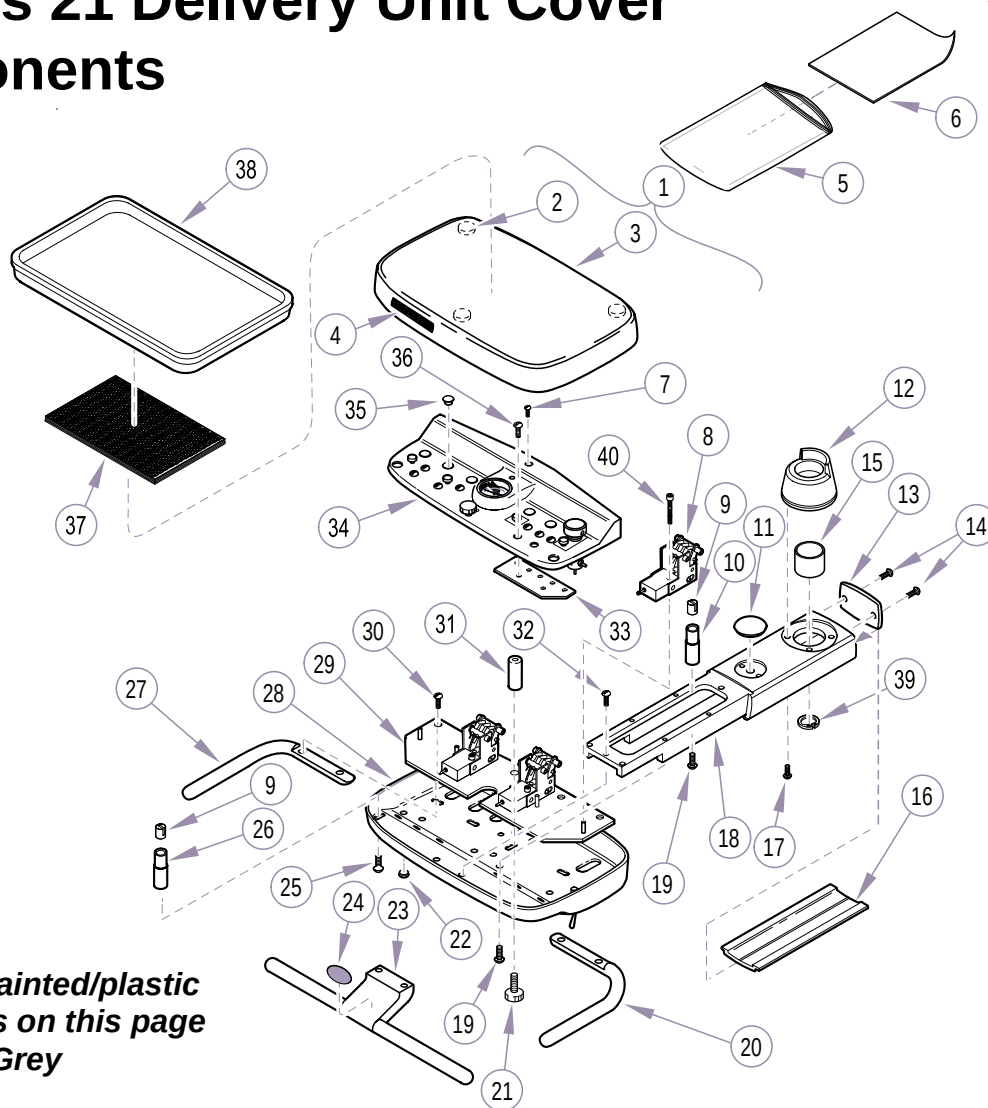
Applies to units with serial numbers PJ1000 thru PJ1869 & PM1000 thru PM1163

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152077-01	Cover Assembly (Includes items 2 thru 6)	1	24	152103-01	Instrument Holder Bar Assembly Units w/o Chair Remote (shown) (Includes item 23).....	1
2	• 120873-2	• Magnetic Latch Disc	3			Units w/Chair Remote (not shown) (Refer to "Unit Mtd Chair Control") .. Ref	
3	• 120856-01	• Cover	1	25	• 121527	• Knight Logo - small.....	1
4	• 061-0772-00	• Name Plate	1	26	120233-50	Screw	4
5	• 016-0882-00	• Vinyl Pouch	1	27	120872	Front Standoff	2
6	• 003-1259-00	• Flow Diagram.....	1	28	120883-50	Handle (Left)	1
7	042-0093-07	Stud	3	29	120857-01	Lower Cover.....	1
8		Refer to "Kink Valve Assembly")	Ref	30	120887-50	Support Plate	1
9	120874	Magnet	3	31	120233-50	Screw	
10	120931	Rear Standoff	1	32	120877	Rear Standoff.....	1
11	120960-50	Tray Mount Plug.....	1	33	117601	Screw	2
12	152048-01	Bearing Housing Assembly	1	34	120885-2	Valve Mounting Plate	2
13	120881-50	End Cap	1	35	120863-01	Inner Cover	
14	121604-50	Screw	2	36	120236-50	Plug Button (0.50 in. Dia).....	4
15	120592	Stop Block	1	37	P17928	Screw	8
16	120880-50	Support Arm Bottom Cover	1	38	120339	Non-Skid Pad	1
17	C2822	Screw	2	39	116599	Tray	1
18	P12577	Screw	4	40	110065	Retaining Ring	1
19	120878-50	Instrument Head Support.....	1	41	120912	Screw	AR
20	P7017	Screw	8	42	152071	Thumbscrew	1
21	120882-50	Handle (Right)	1				
22	151779	Thumbscrew.....	1				
23	120241-50	Plug Button (0.25 in.).....	1				

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit Cover Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

DA107500i

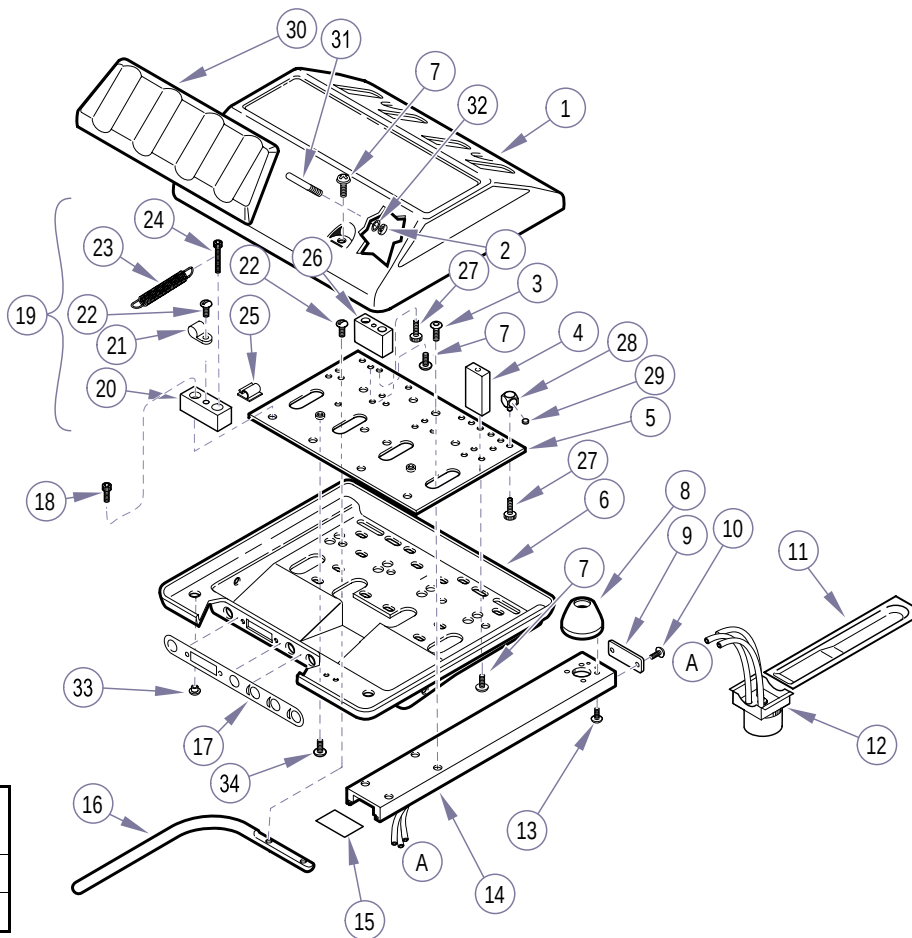
Applies to units with serial numbers PJ1870 & PM1164 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152077-01	Cover Assembly (Includes items 2 thru 6)	1	23	152103-01	Instrument Holder Bar Assembly Units w/o Chair Remote (shown) (includes item 24)	1
2	• 120873-2	• Magnetic Latch Disc	3			Units w/Chair Remote (not shown) (Refer to "Unit Mtd Chair Control") .. Ref	
3	• 120856-01	• Cover	1	24	• 121527	• Knight Logo - small	1
4	• 061-0772-00	• Name Plate	1	25	120233-50	Screw	4
5	• 016-0882-00	• Vinyl Pouch	1	26	120872	Front Standoff	2
6	• 003-1259-00	• Flow Diagram	1	27	120883-50	Handle (Left)	1
7	042-0093-07	Stud	3	28	120857-01	Lower Cover	1
8		Refer to "Kink Valve Assembly"	Ref	29	120887-50	Support Plate	1
9	120874	Magnet	3	30	120233-50	Screw	4
10	120931	Rear Standoff	1	31	120877	Rear Standoff	1
11	120960-50	Tray Mount Plug	1	32	117601	Screw	2
12	057-0641-50	Bearing Housing Assembly	1	33	120885-2	Valve Mounting Plate	2
13	120881-50	End Cap	1	34	120863-01	Inner Cover	1
14	121604-50	Screw	2	35	120236-50	Plug Button (0.50 in. Dia)	4
15	016-0076-31	Bushing	1	36	P17928	Screw	8
16	120880-50	Support Arm Bottom Cover	1	37	120339	Non-Skid Pad	1
17	P12577	Screw	4	38	116599	Tray	1
18	021-0060-50	Instrument Head Support	1	39	042-0056-04	Retaining Ring	1
19	P7017	Screw	8	40	040-0006-73	Screw	AR
20	120882-50	Handle (Right)	1				
21	151779	Thumbscrew	1				
22	120241-50	Plug Button (0.25 in.)	1				

Always Specify Model & Serial Number

Whip Unit Cover Components

SECTION VI PARTS LIST



Serial Number Prefix	Color
UW	sterling grey
PK	pebble grey

AF209301i

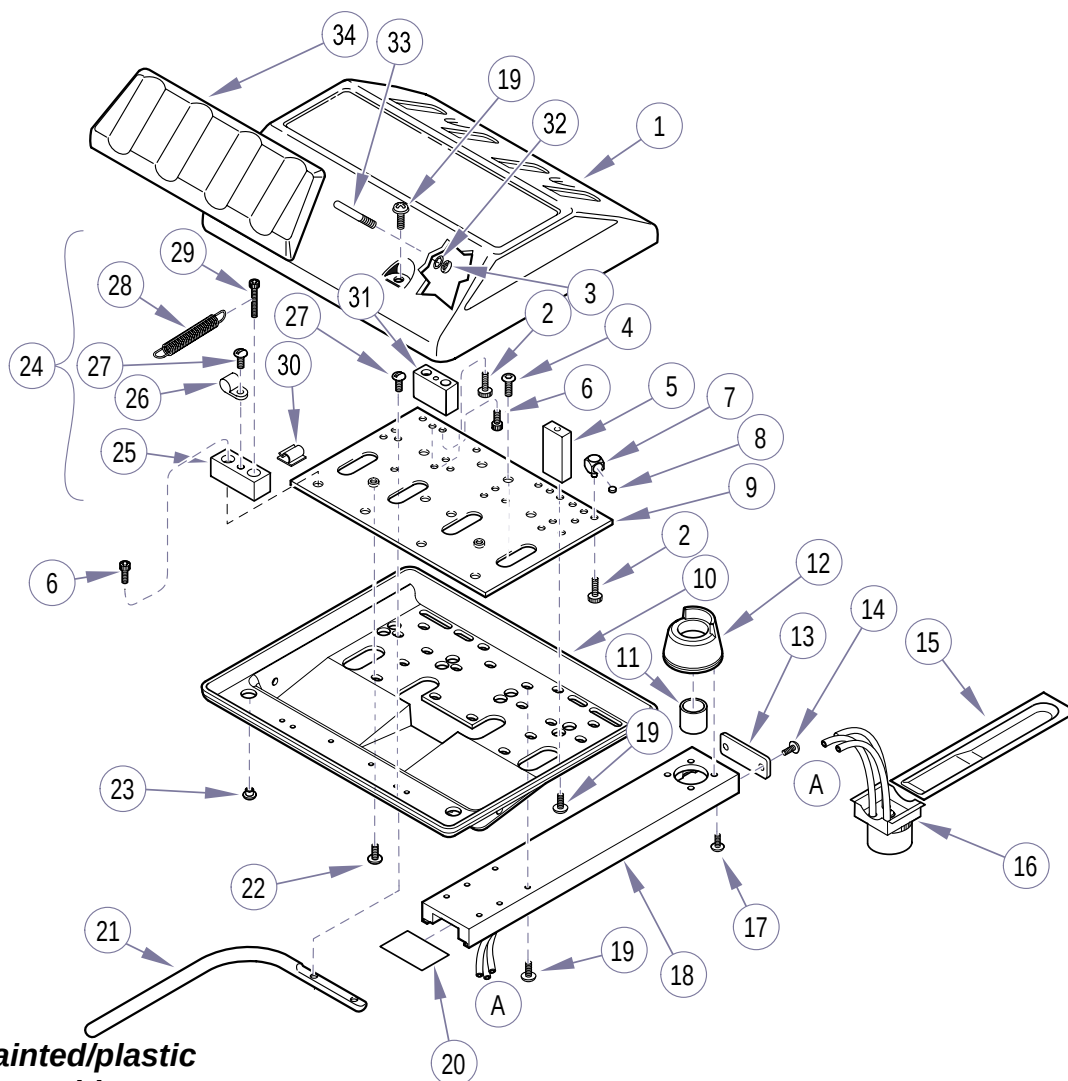
**Applies to all units w/serial numbers prefix "UW"
and units w/serial numbers PK1000 thru PK1041**

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122152	Top Cover (<i>sterling</i>)	1	16	122150-1	Handle - Right (<i>sterling</i>)	1
	122152-01	Top Cover (<i>pebble</i>)	1		122150-50	Handle - Right (<i>pebble</i>)	1
2	P1829	Nut	6		122151-1	Handle - Left (<i>sterling</i>)	1
3	120716-2	Screw	4		122151-50	Handle - Left (<i>pebble</i>)	1
4	122145-2	Rear Spacer	2	17	121413	Decal	1
	122146-2	Front Spacer	2	18	102154	Screw	1
5	122156	Chassis Plate (<i>sterling</i>)	1	19	152838	Spring Block Assembly (Syringe) (includes items 20 thru 24)	1
	122156-01	Chassis Plate (<i>pebble</i>)	1	20	• 122131-2	• Spring Retainer Block	1
6	122154	Bottom Cover (<i>sterling</i>)	1	21	• 121656	• Cable Clamp	1
	122154-01	Bottom Cover (<i>pebble</i>)	1	22	• P7017	• Screw	1
7	119905	Screw	9	23	• 122138	• Spring	1
8	152048	Bearing Housing Assy (<i>sterling</i>)	1	24	• 120959	• Screw	1
	152048-01	Bearing Housing Assy (<i>pebble</i>)	1	25	109191	Cord Clip	2
9	117363A-1	Support Arm End Cap (<i>sterling</i>)	1	26	120591-2	Syringe Block	1
	117363A-50	Support Arm End Cap (<i>pebble</i>)	1	27	152105	Thumb Screw	6
10	121604	Screw (<i>sterling</i>)	2	28	120623-2	Flow Adjust Fitting	4
	121604-50	Screw (<i>pebble</i>)	2	29	120624	Flow Adjust Pad	4
11	120582	Cover - Long (<i>sterling</i>)	1	30	120548	Instrument Pad (<i>sterling</i>)	1
	120582-01	Cover - Long (<i>pebble</i>)	1		120548-01	Instrument Pad (<i>pebble</i>)	1
12	120754-1	Separator Bracket (<i>sterling</i>)	1	31	120593	Pad Holder Pin	2
	120754-50	Separator Bracket (<i>pebble</i>)	1	32	P11777	Washer	2
13	P12577	Screw	4	33	120236	Hole Plug (<i>sterling</i>)	1
14	120553-1	Instrument Head Support (<i>sterling</i>)	1		120236-50	Hole Plug (<i>pebble</i>)	1
	120553-01	Instrument Head Support (<i>pebble</i>)	1	34	120233	Screw (<i>sterling</i>)	4
15	120583	Cover - Short (<i>sterling</i>)	1		120233-50	Screw (<i>pebble</i>)	4
	120583-01	Cover - Short (<i>pebble</i>)	1				

Always Specify Model & Serial Number

Whip Cover Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

DA107600ii

Applies to units w/serial numbers PK1042 thru Present

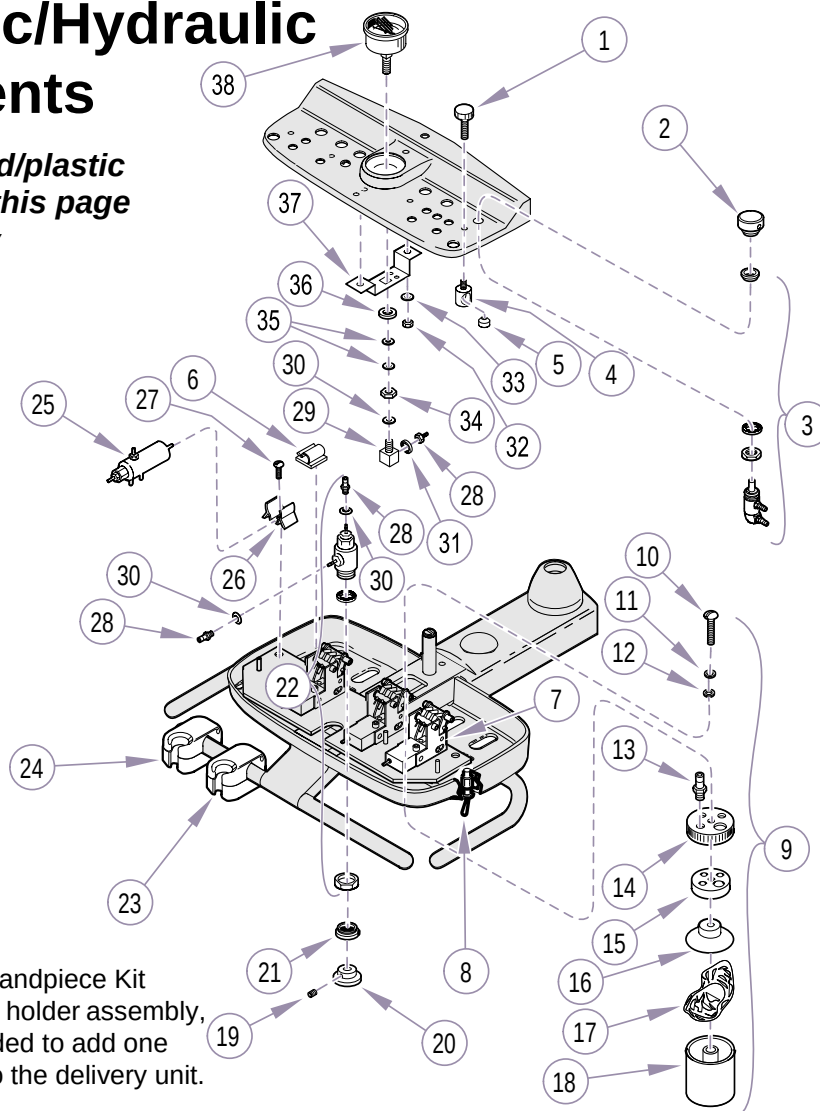
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122152-01	Top Cover	1	19	105480	Screw	4
2	152105	Thumb Screw	6	20	120583-01	Cover - Short.....	1
3	P1829	Nut	4	21	122150-50	Handle - Right.....	1
4	120716-2	Screw.....	4		122151-50	Handle - Left	1
5	122145-2	Rear Spacer	2	22	120233-50	Screw	4
	122146-2	Front Spacer	2	23	120239	Hole Plug	1
6	119905	Screw.....	11	24	152838	Spring Block Assembly (Syringe) (includes items 26 thru 30).....	1
7	120623-2	Flow Adjust Fitting	4	25	• 122131-2	• Spring Retainer Block.....	1
8	120624	Flow Adjust Pad.....	4	26	• 121656	• Cable Clamp.....	1
9	122156-01	Chassis Plate (Modified)	1	27	• P7017	• Screw.....	1
10	122154-01	Bottom Cover.....	1	28	• 122138	• Spring	1
11	016-0076-31	Bearing	1	29	• 120959	• Screw.....	1
12	057-0641-50	Bearing Housing Assembly	1	30	118167	Cord Clip	2
13	117363A-50	Support Arm End Cap	1	31	120591-2	Syringe Block	1
14	121604-50	Screw.....	2	32	P11777	Washer.....	2
15	120582-01	Cover - Long	1	33	120593	Pad Holder Pin	2
16	120754-50	Separator Bracket.....	1	34	120548-01	Instrument Pad.....	1
17	P12577	Screw.....	4				
18	021-0046-50	Instrument Head Support	1				

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit

Pneumatic/Hydraulic Components

NOTE: All painted/plastic components on this page are Sterling Grey



NOTE:

152705 - Asepsis 21 Handpiece Kit contains the kink valve, holder assembly, fittings and tubing needed to add one additional handpiece to the delivery unit.

KA927102i

Applies to units w/serial number prefixes "UA" & "UK" built before 3-15-00

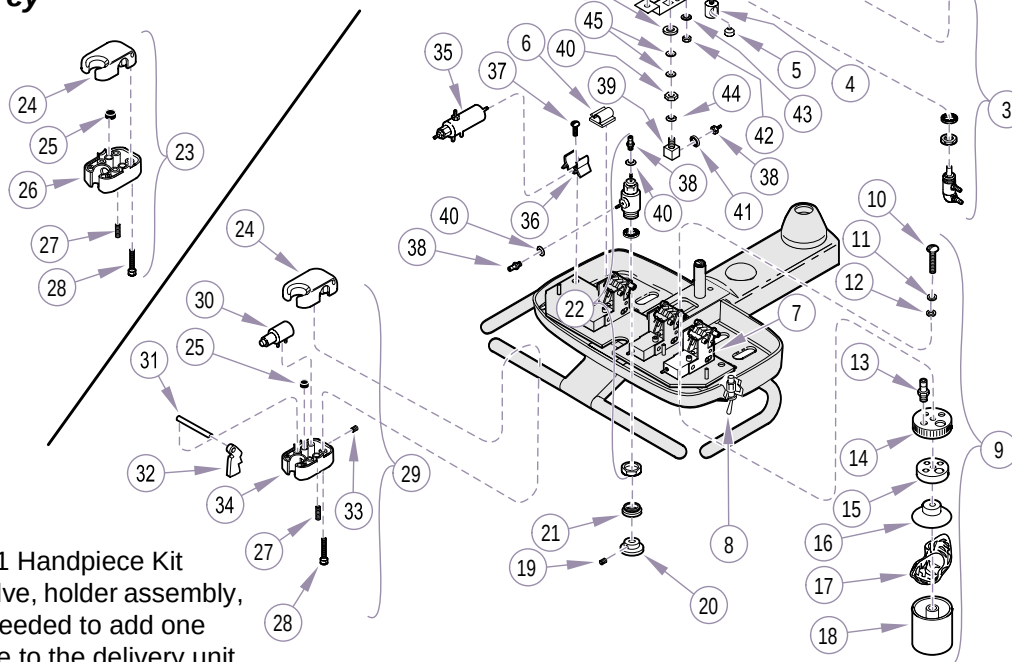
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152105	Thumb Screw	3	19	121650	Set Screw.....	1
2	120875-1	Water Control Valve Knob	3	20	115561	Manual Push Button.....	1
	120178	Set Screw (not shown)	3	21	120388	Trim Nut.....	1
3	029-2449-01	Needle Valve Assembly (Includes hardware)	3	22	118940	Control Valve (Includes hardware)	1
4	120623-2	Flow Adjustment Fitting	3	23	152057	Syringe Holder Assembly.....	1
5	120624	Flow Adjustment Pad.....	3	24	152058	Handpiece Holder Assembly.....	3
6	118167	Clamp	4	25	152117	C.W. Control Valve Assembly.....	1
7		Refer to "Kink Valve Assembly"	Ref	26	117578	Clamp.....	1
8	117357	Toggle Switch	2	27	120199	Screw	1
9	152070	Air/Oil Separator (Includes items 10 thru 18)		28	109714	Fitting	3
10	• 117601	• Screw.....	1	29	113295	Control Valve Fitting	1
11	• P12572	• Washer.....	1	30	117660	Gasket.....	1
12	• P12575	• Lockwasher	1	31	P12575	Washer.....	1
13	• 117349	• Fitting	3	32	P507	Nut	2
14	• 120934	• Cap	1	33	P12572	Washer.....	2
15	• 120932	• Manifold	1	34	041-0040-00	Locknut	1
16	• 120933	• Diffuser	1	35	119537	Lockwasher	2
17	• 121547	• Gauze Sponge	7	36	045-0001-49	Washer.....	1
18	• 120937-5	• Bottle.....	1	37	120899-1	Pressure Gauge Bracket.....	1
				38	122841	Pressure Gauge.....	1

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit

Pneumatic/Hydraulic Components

NOTE: All painted/plastic components on this page are Sterling Grey



NOTE:

152705 - Asepsis 21 Handpiece Kit contains the kink valve, holder assembly, fittings and tubing needed to add one additional handpiece to the delivery unit.

KA931402i

Applies to units w/serial number prefixes "UA" & "UK" built after 3-15-00 and units prior to UA26730671

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152105	Thumb Screw	3	24	• 053-1274-00	• Top Housing	1
2	120875-1	Water Control Valve Knob	3	25	• 120908	• Instrument Holder Pad (Apply silicone glue p/n 185057)	2
	120178	Set Screw (not shown)	3	26	• 053-1275-01	• Bottom Housing	1
3	029-2449-01	Needle Valve Assembly (Includes hardware)	3	27	• 040-0010-114	• Set Screw	2
4	120623-2	Flow Adjustment Fitting	3	28	• 042-0168-03	• Screw	4
5	120624	Flow Adjustment Pad	3	29	002-0684-00	Handpiece Holder Assembly (Includes items 24, 25, 27, 28, & 30 thru 34)	3
6	118167	Clamp	4	30	• 120910	• 3-way Valve	1
7		Refer to " Kink Valve Assembly "	Ref	31	• 057-0536-00	• Pivot Pin	1
8	117357	Toggle Switch	2	32	• 053-1077-00	• Lever	1
9	152070	Air/Oil Separator (Includes items 10 thru 18)		33	• P11836	• Set Screw	1
10	• 117601	• Screw	1	34	• 053-1275-00	• Bottom Housing	1
11	• P12572	• Washer	1	35	152117	C.W. Control Valve Assembly	1
12	• P12575	• Lockwasher	1	36	117578	Clamp	1
13	• 117349	• Fitting	3	37	120199	Screw	1
14	• 120934	• Cap	1	38	109714	Fitting	3
15	• 120932	• Manifold	1	39	113295	Control Valve Fitting	1
16	• 120933	• Diffuser	1	40	117660	Gasket	1
17	• 121547	• Gauze Sponge	7	41	P12575	Washer	1
18	• 120937-5	• Bottle	1	42	P507	Nut	2
19	121650	Set Screw	1	43	P12572	Washer	2
20	115561	Manual Push Button	1	44	041-0040-00	Locknut	1
21	120388	Trim Nut	1	45	119537	Lockwasher	2
22	118940	Control Valve (Includes hardware)	1	46	045-0001-49	Washer	1
23	002-0684-01	Syringe Holder Assembly (Includes items 24 thru 28)	1	47	120899-1	Pressure Gauge Bracket	1
				48	122841	Pressure Gauge	1

Always Specify Model & Serial Number

Asepsis 21 Delivery Unit

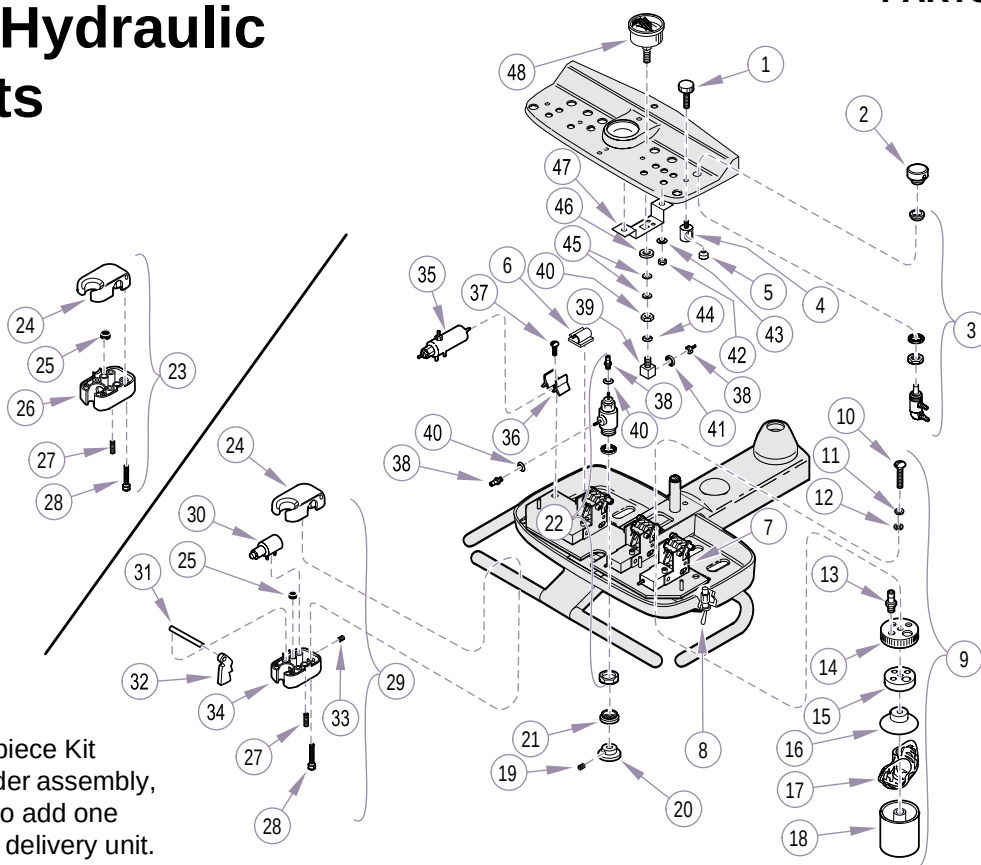
Pneumatic/Hydraulic Components

SECTION VI PARTS LIST

Serial Number Prefix	Color
UA	sterling grey
PJ, PM	pebble grey

NOTE:

152705 - Asepsis 21 Handpiece Kit contains the kink valve, holder assembly, fittings and tubing needed to add one additional handpiece to the delivery unit.



KA931402i

Applies to units with serial numbers UA26730672 thru Present & all units with serial number prefixes "PJ" & "PM"

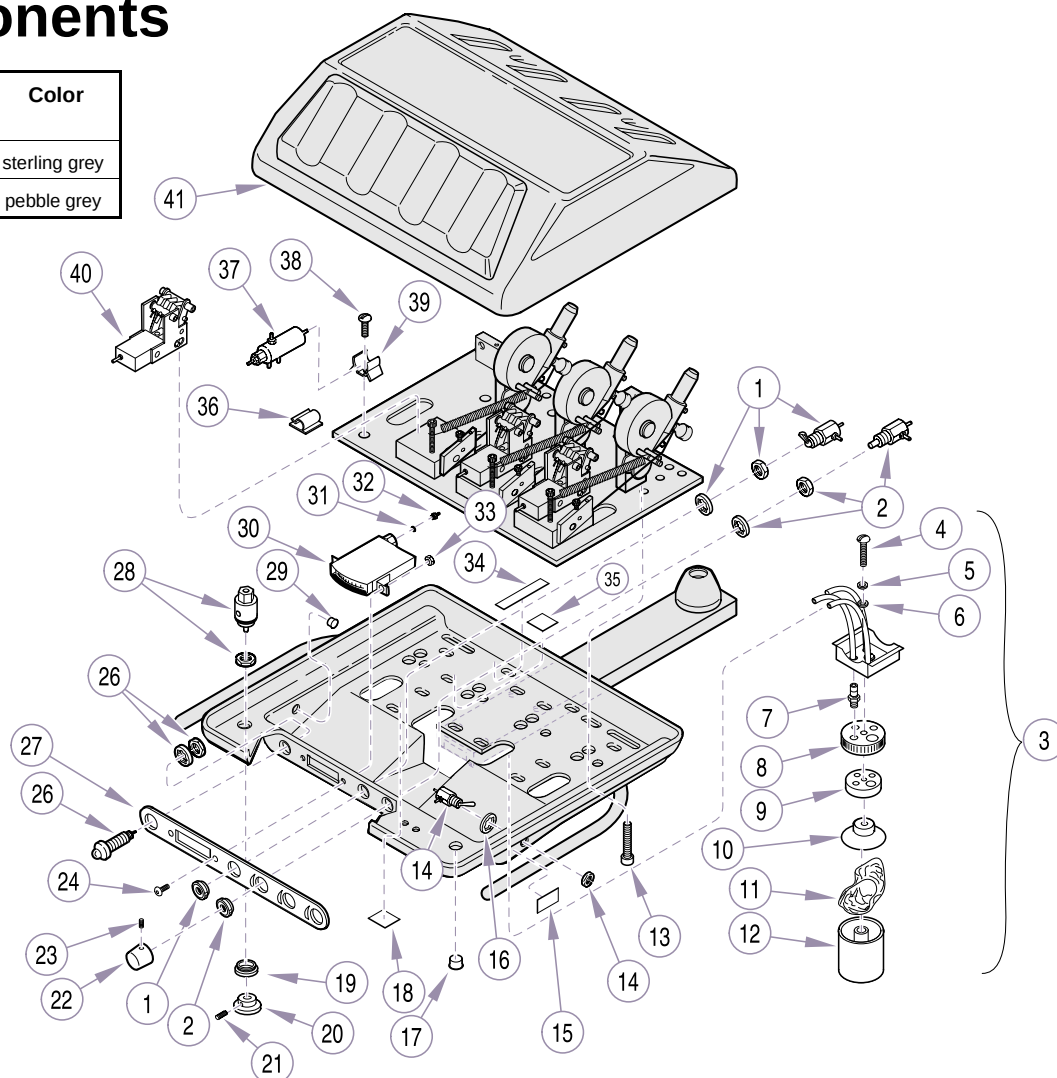
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152105	Thumb Screw	3	24	• 053-1274-00	• Top Housing	1
2	120875-1	Valve Knob (<i>sterling</i>)	3	25	• 120908	• Instrument Holder Pad	
	120875-50	Valve Knob (<i>pebble</i>)	3			(apply adhesive #185057)	2
	120178	Set Screw (not shown)	3	26	• 053-1275-01	• Bottom Housing (w/o slot)	1
3	029-2449-01	Needle Valve Assy (incl. hardware)	3	27	• 040-0010-114	• Set Screw	2
4	120623-2	Flow Adjustment Fitting	3	28	• 042-0168-03	• Screw	4
5	120624	Flow Adjustment Pad	3	29	002-0684-00	Handpiece Holder Assembly (Includes	
6	118167	Clamp				items 24, 25, 27, 28, & 30 thru 34)	3
7		Refer to " Kink Valve Assembly "	Ref	30	• 120910	• 3-way Valve	1
8	117357	Toggle Switch	2	31	• 057-0536-00	• Pivot Pin	1
9	152070	Air/Oil Separator (includes 10 thru 18) ...	1	32	• 053-1077-00	• Lever	1
10	• 117601	• Screw	1	33	• P11836	• Set Screw	1
11	• P12572	• Washer	1	34	• 053-1275-00	• Bottom Housing (w/slot)	1
12	• P12575	• Lockwasher	1	35	152117	C.W. Control Valve Assembly	1
13	• 117349	• Fitting	3	36	117578	Clamp	1
14	• 120934	• Cap	1	37	120199	Screw	1
15	• 120932	• Manifold	1	38	109714	Fitting	3
16	• 120933	• Diffuser	1	39	113295	Control Valve Fitting	1
17	• 121547	• Gauze Sponge	7	40	117660	Gasket	1
18	• 120937-5	• Bottle	1	41	P12575	Washer	1
19	121650	Set Screw	1	42	P507	Nut	2
20	115561	Manual Push Button	1	43	P12572	Washer	2
21	120388	Trim Nut	1	44	041-0040-00	Locknut	1
22	118940	Control Valve (includes hardware)	1	45	119537	Lockwasher	2
23	002-0684-01	Syringe Holder Assembly		46	045-0001-49	Washer	1
		(includes items 24 thru 28)	1	47	120899-1	Pressure Gauge Bracket (<i>sterling</i>)	1
24	• 053-1274-00	• Top Housing	1		120899-50	Pressure Gauge Bracket (<i>pebble</i>)	1
25	• 120908	• Instrument Holder Pad		48	122841	Pressure Gauge (includes screws)	1
		(apply adhesive #185057)	2				

Always Specify Model & Serial Number

Whip Unit Pneumatic/Hydraulic Components

SECTION VI PARTS LIST

Serial Number Prefix	Color
UW	sterling grey
PK	pebble grey



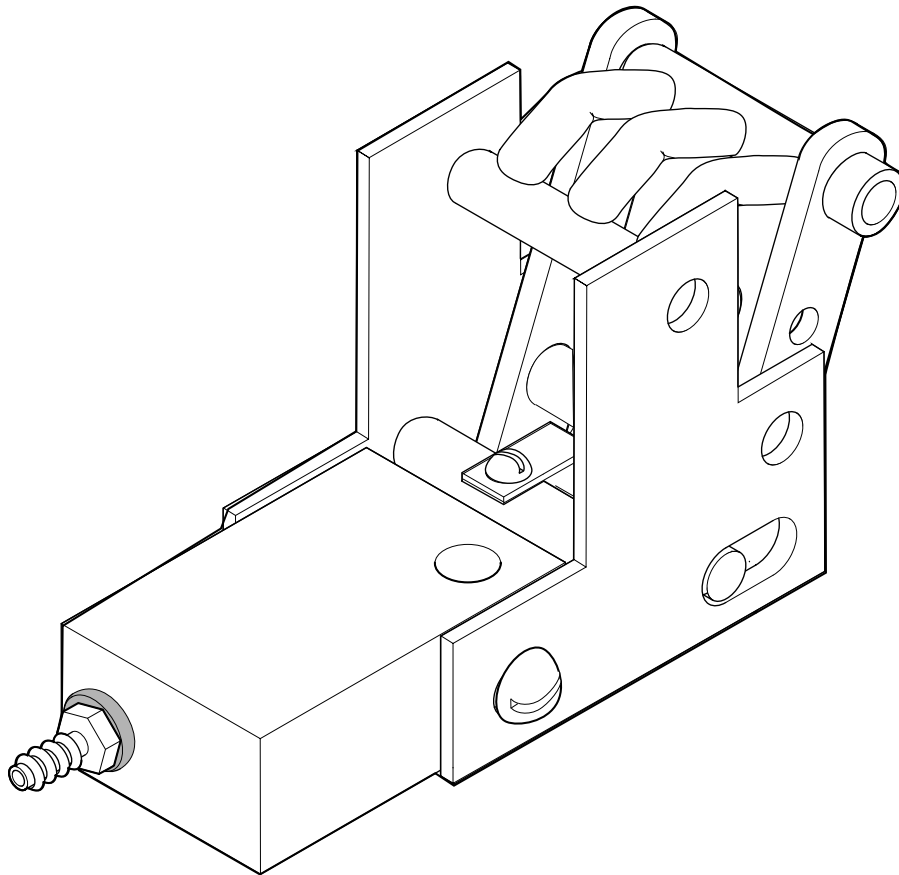
KA982001i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	120169	Toggle Valve (Includes hardware)	1	22	120170-1	Knob (sterling grey)	3
2	029-2449-03	Needle Valve (Includes hardware)	3		120170-50	Knob (pebble grey)	3
3	152070	Air/Oil Separator Assembly (Includes items 6 thru 14)	1	23	120178	Set Screw	3
4	• 117601	• Screw	1	24	120612	Screw	2
5	• P12572	• Washer	1	25	P11777	Washer	2
6	• P12575	• Washer	1	26	117489	Indicator (Includes hardware)	1
7	• 117349	• Fitting	3	27	061-0804-00	Whip Unit Decal	1
8	• 120934-6	• Cap	1	28	118940	Control Valve	1
9	• 120932	• Manifold	1	29	120241	Plug Button (sterling grey)	1
10	• 120933	• Diffuser	1		120241-50	Plug Button (pebble grey)	1
11	• 121547	• Gauze Sponges	7	30	117235	Pressure Gauge	1
12	• 120937-5	• Bottle	1	31	P12575	Washer	1
13	P17928-2	Screw	3	32	109714	Fitting	1
14	117357	Toggle Switch (Includes hardware)	1	33	111102	Nut	2
15	Tpw1538	Arm Lock Label	1	34	Tp1126	Whip Label	1
16	C2563	Washer	1	35	061-0733-00	CE Label	1
17	120236	Plug Button (sterling grey)	1	36	118167	Clip	1
	120236-50	Plug Button (pebble grey)	1	37	152117	Coolant Water Control Valve	1
18	061-0782-00	CE Label	1	38	121337-2	Screw	1
19	120388	Trim Nut	1	39	117578	Clip	1
20	115561	Push Button	1	40		Refer to " Kink Valve Assembly ")	Ref
21	121650	Set Screw	1	41		Refer to " Whip Unit Cover Components "	Ref

Always Specify Model & Serial Number

Kink Valve Assembly

SECTION VI PARTS LIST



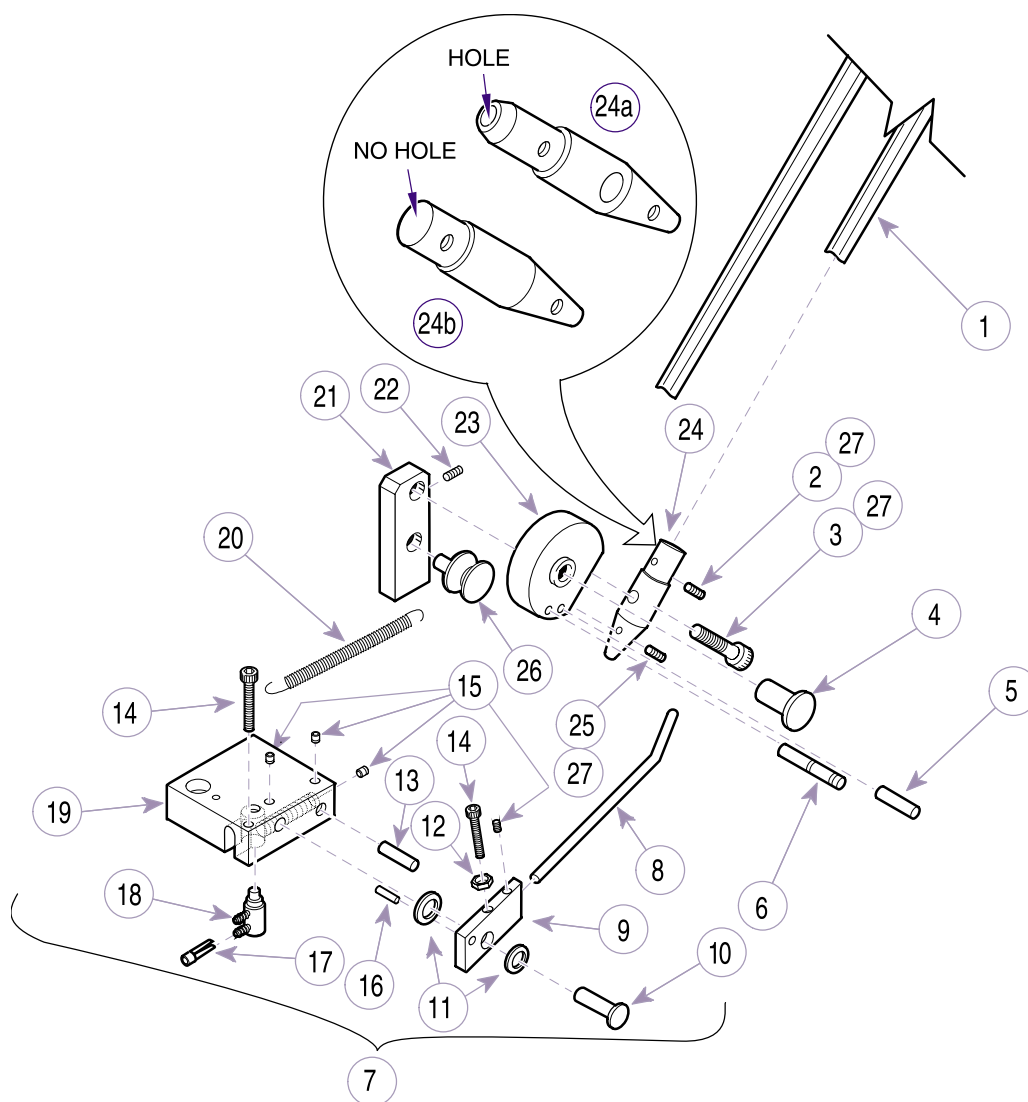
DA111100i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	152047	Kink Valve Assembly AR [Component parts not available]					

Always Specify Model & Serial Number

Whip Assembly

SECTION VI PARTS LIST



KA936101i

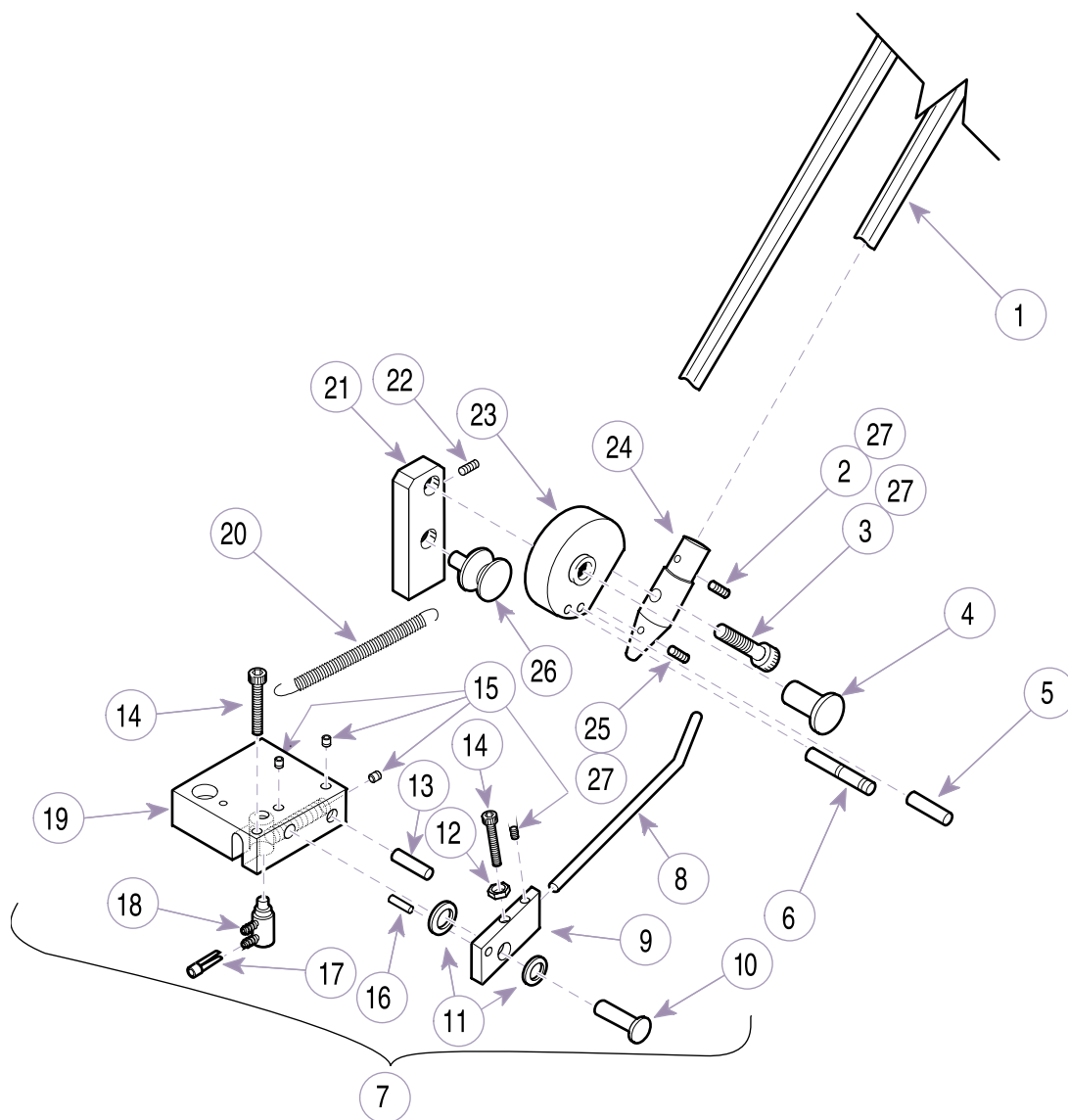
Applies to units w/serial number prefix "UW" built before 5-1-00

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to "Whip Unit Hndpc. Tubing" .. Ref		17	• 117479	• Uni-clamp	2
		Refer to "Whip Unit Syringe Tubing" .. Ref		18	• 120910	• Pilot Valve	1
2	122161	Set Screw	4	19	• 122174-2	• Spacer Block	1
3	120611	Shoulder Screw	4	20	• 122138	• Extension Spring (standard)	1
4	120569	Hub Pivot Pin	4		122509	Extension Spring	
5	120608	Stop Pin	4			(max. tension - optional)	1
6	122129	Spring Hub Pin	4	21	122127-2	Hub Pivot Block	4
7	152831	Actuator Assembly		22	122161	Set Screw	4
		(Includes items 9 thru 21)	3	23	120551	Whip Hub	4
8	• 122177	• Wire Actuator	1	24a		Obsolete- replace with item # 24b.	
9	• 122175-2	• Actuator Pivot Block	1			When replacing old style whip	
10	• 122142-2	• Pivot Pin	1			pivot (24a), handpiece/syringe	
11	• 117660	• Washer	2			tubing assembly (1) for that position must be	
12	• P1829	• Nut	1			replaced.	
13	• 122176-2	• Stop Pin	1	24b	057-0590-00	Whip Pivot	4
14	• 120959	• Screw	2	25	122162	Set Screw	4
15	• P11836	• Set Screw	4	26	121363	Stop Pin	4
16	• 122080	• Pin	1	27	042-0024-00	Loctite*	AR

Always Specify Model & Serial Number

Whip Assembly

SECTION VI PARTS LIST



KA936201i

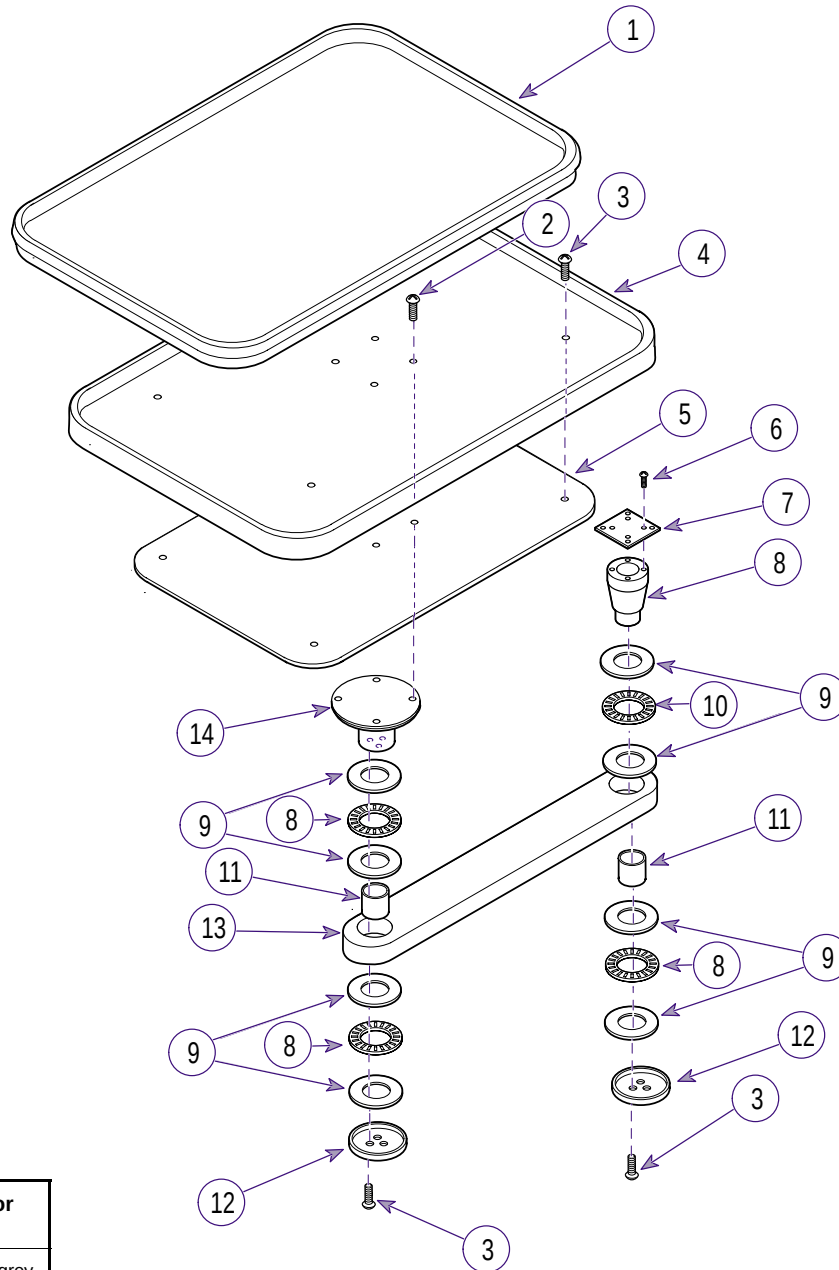
**Applies to units w/serial number prefix "UW" built after 5-1-00
and all units w/serial number prefix "PK"**

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to "Whip Unit Hndpc. Tubing" .. Ref		15	• P11836	• Set Screw	4
		Refer to "Whip Unit Syringe Tubing" Ref		16	• 122080	• Pin.....	1
2	122161	Set Screw	4	17	• 117479	• Uni-clamp.....	2
3	120611	Shoulder Screw	4	18	• 120910	• Pilot Valve	1
4	120569	Hub Pivot Pin	4	19	• 122174-2	• Spacer Block.....	1
5	120608	Stop Pin	4	20	• 122138	• Extension Spring (standard)	1
6	122129	Spring Hub Pin.....	4		122509	Extension Spring (max. tension - optional).....	1
7	152831	Actuator Assy (includes items 8 thru 20).....	3	21	122127-2	Hub Pivot Block	4
8	• 122177	• Wire Actuator	1	22	122161	Set Screw	4
9	• 122175-2	• Actuator Pivot Block	1	23	120551	Whip Hub.....	4
10	• 122142-2	• Pivot Pin	1	24	057-0590-00	Whip Pivot	4
11	• 117660	• Washer	2	25	122162	Set Screw	4
12	• P1829	• Nut.....	1	26	121363	Stop Pin.....	4
13	• 122176-2	• Stop Pin.....	1	27	042-0024-00	Loctite*	AR
14	• 120959	• Screw	2				

Always Specify Model & Serial Number

Whip Unit Instrument Tray Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Color
UW	sterling grey
PK	pebble grey

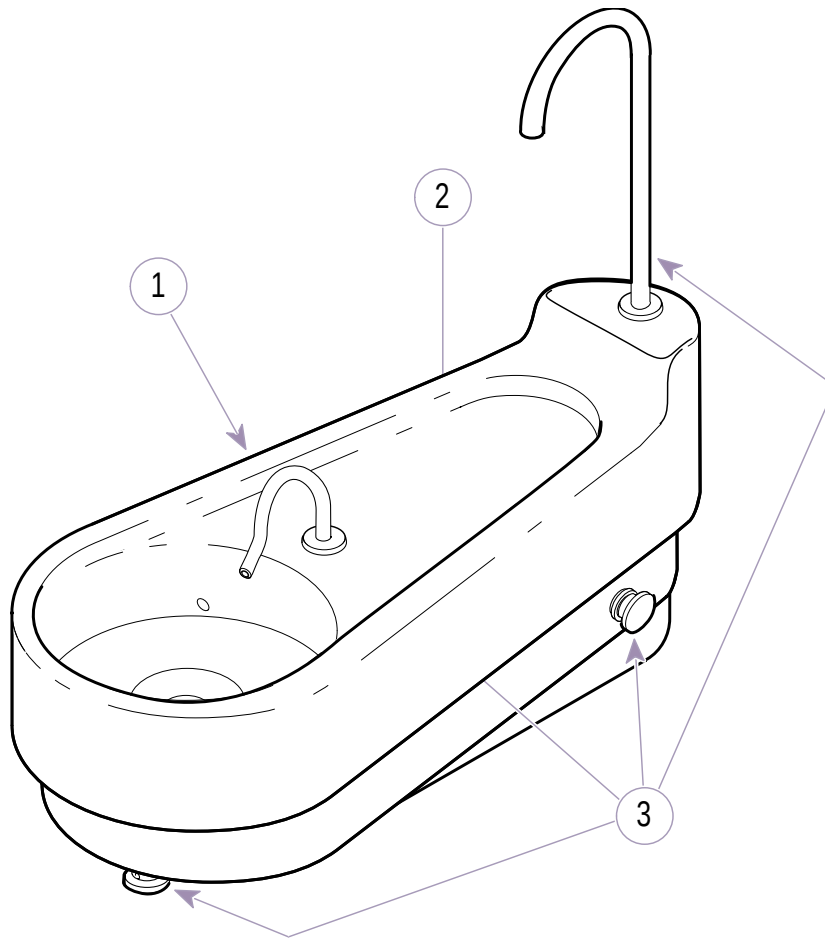
KA926500

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	116599	Tray (9.56 in. x 13.37 in.)	1	6	105480	Screw	4
	120616	Tray (10.56 in. x 15.12 in.)	1	7	120581-50	Tray Arm Plate	1
2	120612	Screw	4	8	120597-1	Hub (sterling grey)	1
3	119905	Screw	10		120597-01	Hub (pebble grey)	1
4		Tray Support (9.25 in. x 13.06 in.)		9	119458	Washer	8
	120613	(sterling grey)	1	10	119462	Needle Bearing	4
	120613-01	(pebble grey)	1	11	120579	Bearing	2
		Tray Support (10.12 in. x 14.62 in.)		12	120580-1	Bearing Cap (sterling grey)	2
	120615	(sterling grey)	1		120580-50	Bearing Cap (pebble grey)	2
	120615-01	(pebble grey)	1	13	121079-1	Tray Arm (sterling grey)	1
5	120617	Plate (sterling grey)	1		121079-50	Tray Arm (pebble grey)	1
	120617-50	Plate (pebble grey)	1	14	120585-2	Pin	1

Always Specify Model & Serial Number

Cuspidor Assembly Overview

SECTION VI PARTS LIST



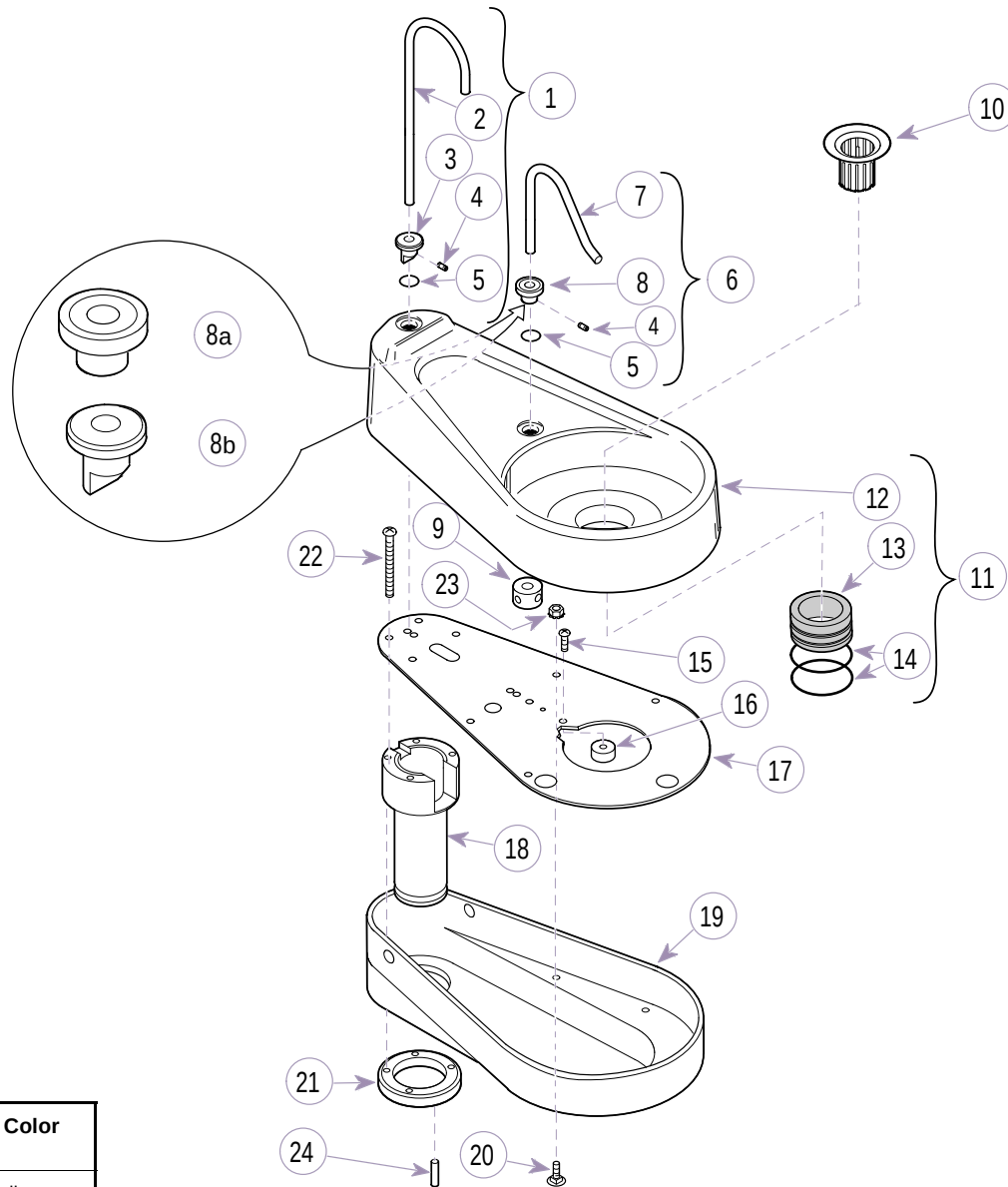
AF208300

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Cuspidor Assy. Enclosure Components	6-28	3		Cuspidor Assy Hydraulic/Pneumatic Components	6-29
2		Internal Tubing	6-16				

Always Specify Model & Serial Number

Cuspidor Enclosure Components

SECTION VI PARTS LIST



Serial Number Prefix	Color
UA, UC, UW	sterling grey
PL	pebble grey

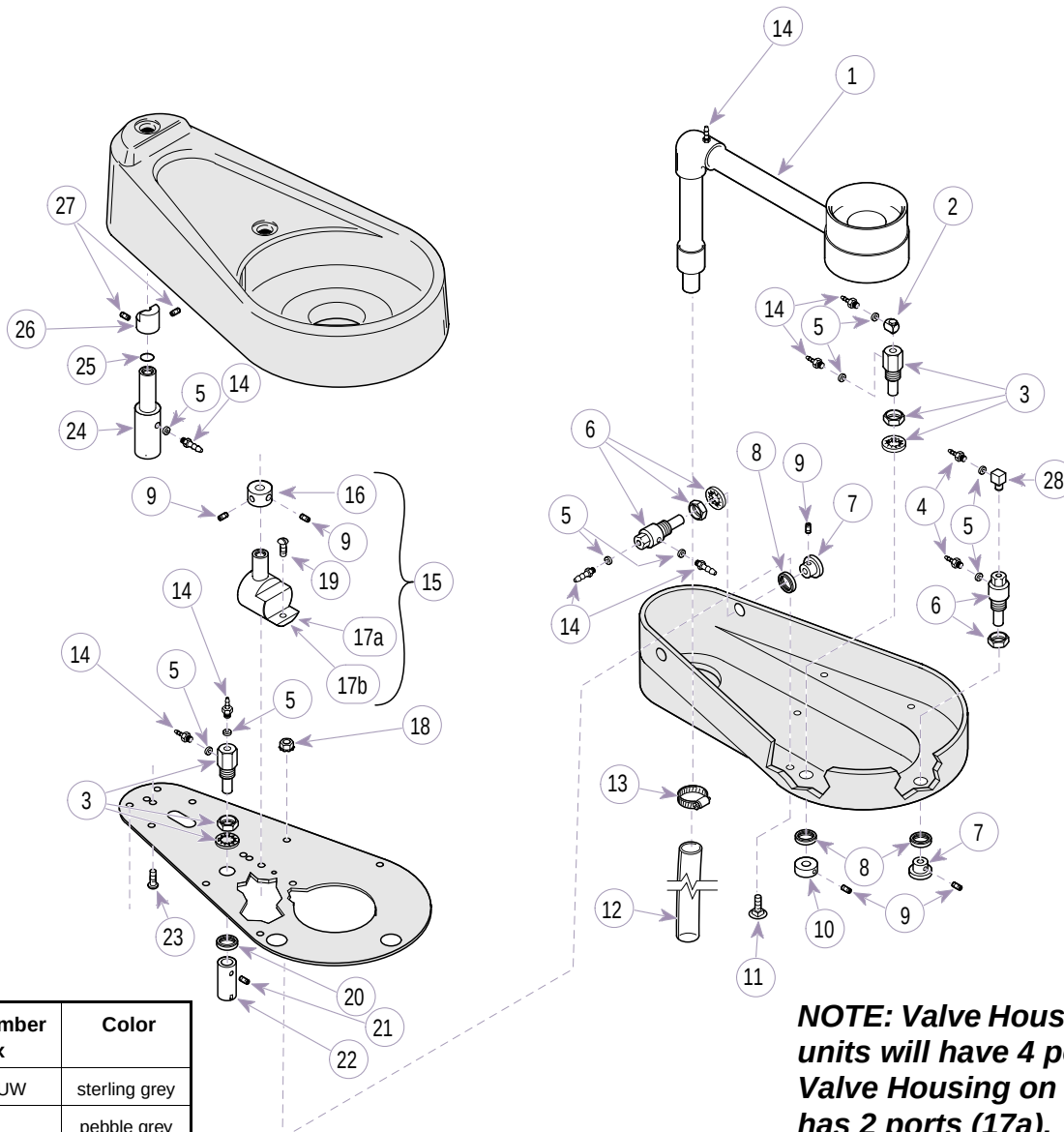
AF210501

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152922	Cup Filler Tube Assembly (Includes items 2 thru 5)	1	12	•122222-6	Cuspidor Bowl	1
2	• 122296-2	Cup Filler Tube	1	13	• 122252	Cuspidor Seal Insert (Apply Silicone - p/n 185057).....	1
3	• 122335	Cuspidor Ferrule	1	14	• 122326	O-ring	2
4	• 122510	Set Screw	2	15	122332	Screw	1
5	• 101043	O-ring	1	16	122322	Drain Captivator	1
6	153270	Bowl Rinse Tube Assembly (Includes items 4, 5, 7 thru 9)	1	17	122282-1	Inner Mounting Plat (pebble grey).....	1
7	• 122769-2	• Bowl Rinse Tube	1	18	152913-6	Post Assembly.....	1
8a	• 122770	• Bowl Rinse Tube Ferrule - later units only.....	1	19	122283	Lower Housing (sterling grey)	1
8b		Bowl Rinse Tube Ferrule - early units only (Obsolete use 002-0697-00 kit which include items 4, 5, 8a, 9).....	1		122283-01	Lower Housing (pebble grey).....	1
9	• 122821	• Bowl Rinse Stop	1	20	122321-1	Bolt (sterling grey)	4
10	150671	Gold Trap Kit	1		122321-50	Bolt (pebble grey).....	4
11	152925	Cuspidor Bowl Assembly (Includes items 12 thru 14)	1	21	122324-1	Support Collar (sterling grey)	1
					122324-50	Support Collar (pebble grey).....	1
				22	122323	Screw	4
				23	122331	Nut.....	8
				24	122348	Pin (Used on LR Units Only)	1

Always Specify Model & Serial Number

Cuspidor Assembly Hydraulic/Pneumatic Components

SECTION VI PARTS LIST



Serial Number Prefix	Color
UA, UC, UW	sterling grey
PL	pebble grey

NOTE: Valve Housing on older units will have 4 ports (17b). Valve Housing on newer units has 2 ports (17a).

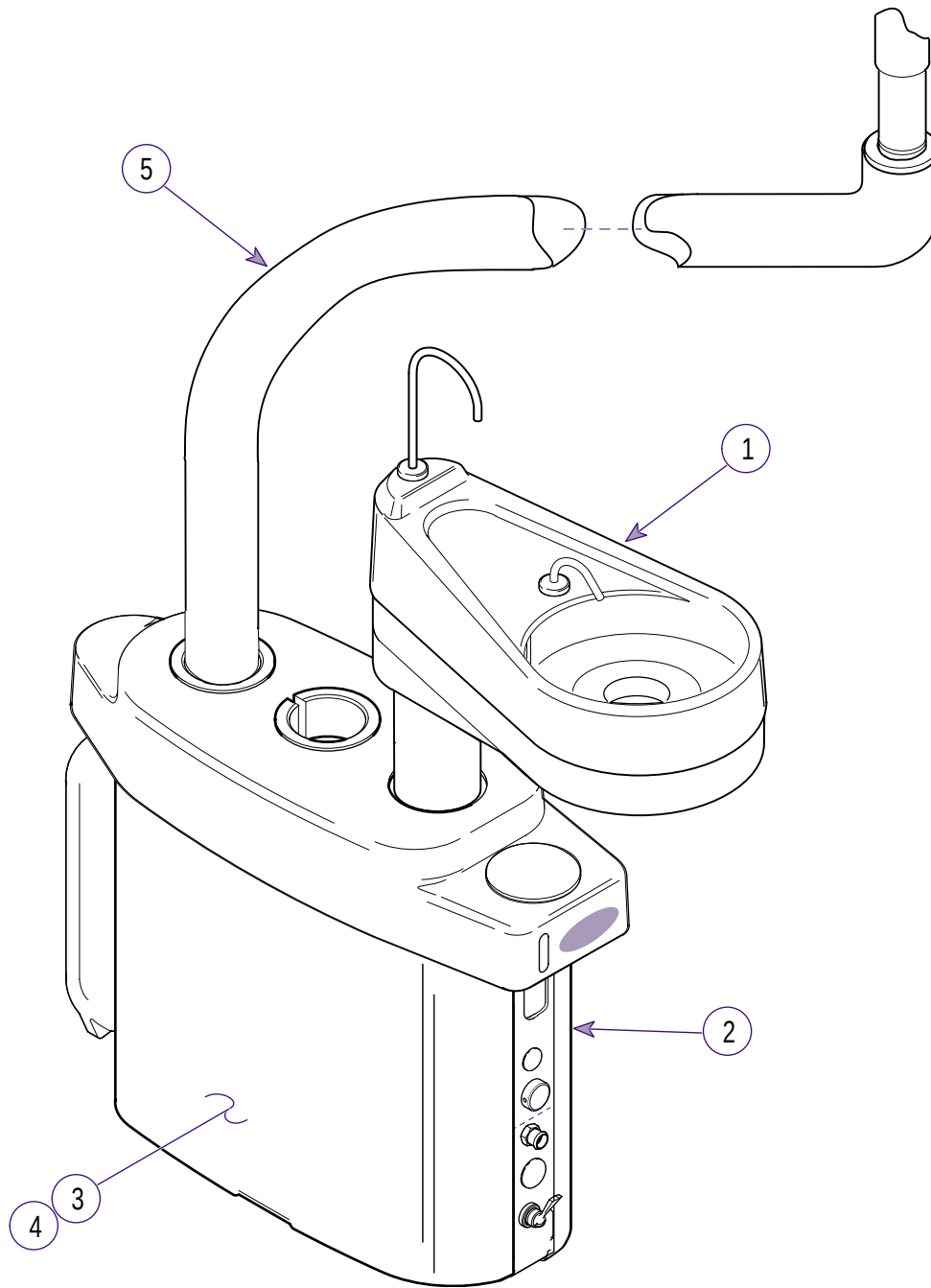
KA984101i

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	152909	Cuspidor Drain Assy (incl. item 14)	1	15	152914	Cuspidor Water Valve Assembly (Includes items 9,16 & 17a)	1
2	016-0888-00	Control Valve Fitting.....	1		002-0687-00	Cuspidor Water Valve Assembly Kit (Includes items 9,16 & 17b)	1
3	029-2449-01	Needle Valve.....	2	16	• 122821	• Bowl Rinse Stop	1
4	109714	Fitting.....	3	17a	• 152933	• Valve Housing Assembly	1
5	117660	Gasket	11	17b	• 029-2697-00	• Valve Housing w/ Barb Fittings	1
6	118940	Control Valve	3	18	122331	Hex Nut	4
7	115561	Control Valve Cap.....	3	19	122332	Screw	1
8	120388	Trim Nut	3	20	120387	Nut.....	1
9	121650	Set Screw	3	21	120178	Set Screw	1
10	120875-1	Valve Knob (<i>sterling</i>)	1	22	122301	Bowl Flush Adjuster	1
	120875-50	Valve Knob (<i>pebble</i>).....	1	23	122332	Screw	1
11	122321-1	Bolt (<i>sterling</i>)	4	24	122327	Cup Filler Mount.....	1
	122321-50	Bolt (<i>pebble</i>).....	4	25	122297	O-ring	1
12	R4786	Drain Tubing.....	9.5 ft.	26	122377	Cup Fill Mount Stop.....	1
13	104499	Clamp	1	27	106753	Screw	2
14	117349	Fitting	8	28	113295	Fitting	1

Always Specify Model & Serial Number

Chair Mounted Console Assembly Overview

SECTION VI PARTS LIST



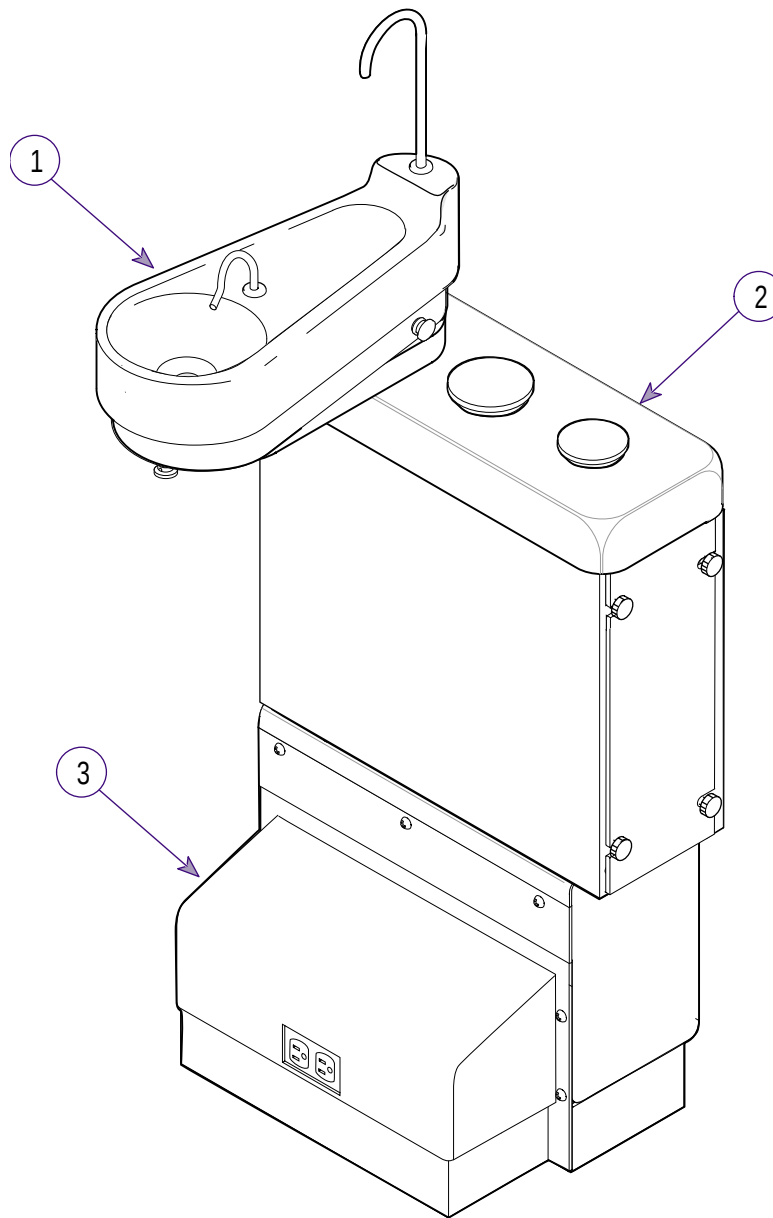
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Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Cuspidor Assembly	6-27	4		Chair Mounted Console Assembly	
2		Chair Mounted Console Assembly				Internal Components	6-33
		Enclosure Components	6-32	5		Delivery Unit Arm Assembly	6-52
3		Internal Tubing	6-16				

Always Specify Model & Serial Number

Floor Mounted Console Assembly Overview

SECTION VI PARTS LIST



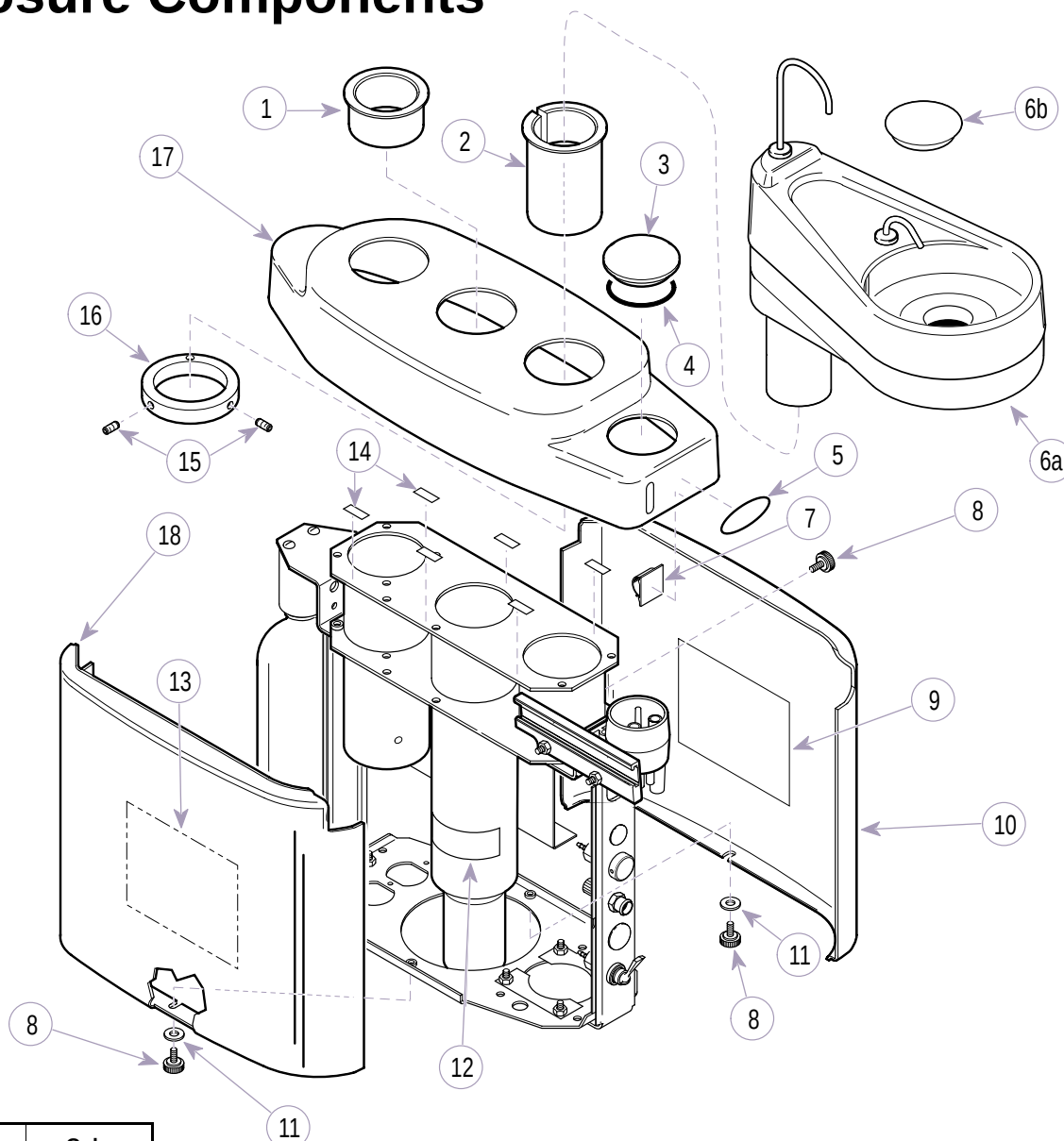
KA934000

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1		Cuspidor Assembly	6-27	3		Floor Mounted Console Base	
2		Floor Mounted Console Assembly				Assembly Components	6-35
		Housing Components	6-34	4		Internal Tubing (not shown)	6-16

Always Specify Model & Serial Number

Chair Mounted Console Assembly

Enclosure Components



Serial Number Prefix	Color
UA, UC, UW	sterling grey
PL	pebble grey

AF209700

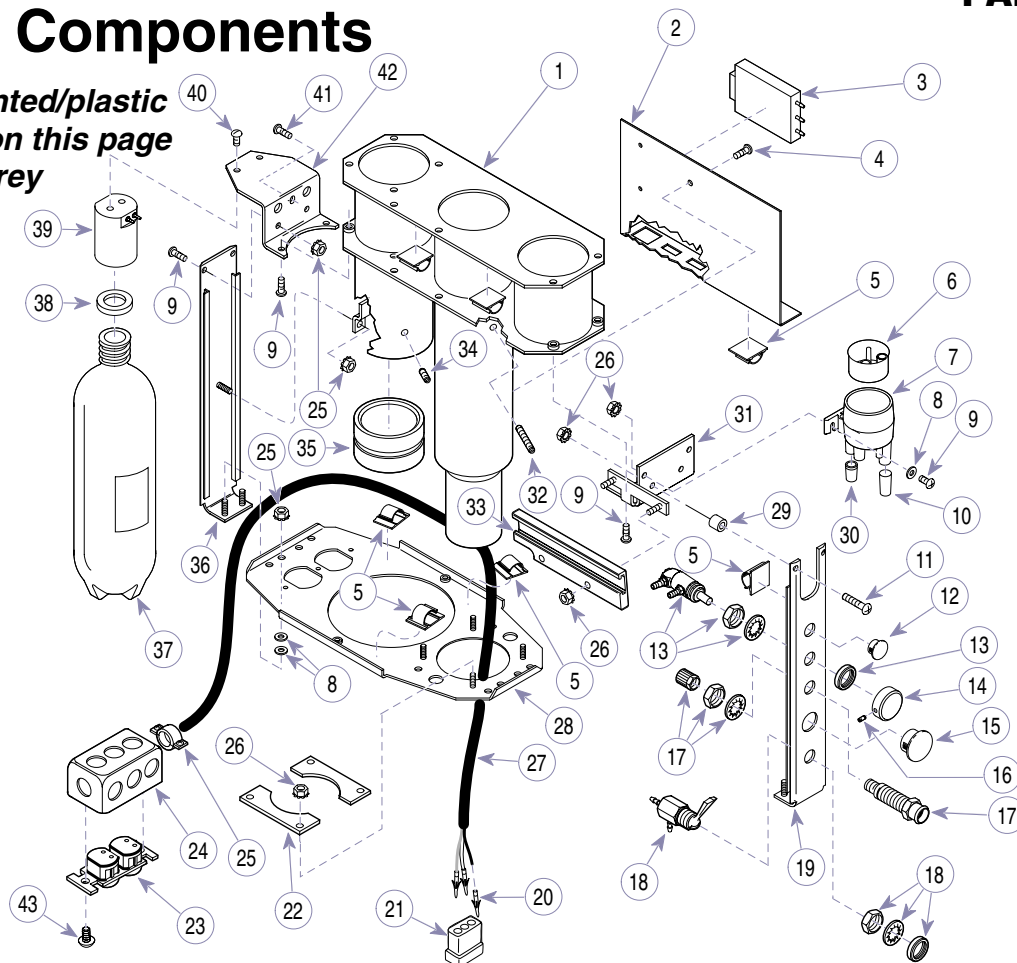
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122336	Upper Bearing	1	8	151779	Thumbscrew	3
2	122353	Cuspidor Bearing	1	9	TP1622	Flow Diagram	1
3		Solids Collector Kit (incl. cover & o-ring)		10	122285	RH Side Cover (sterling grey)	1
	002-0691-00	(sterling grey)	1		122285-01	RH Side Cover (pebble grey)	1
	002-0691-01	(pebble grey)	1	11	040-0001-10	Gasket	2
	• 122364-1	• Cover (sterling grey)	1	12	TPW1484	Rating Label	1
	• 122364-50	• Cover (pebble grey)	1	13	003-1278-00	Wiring Diagram	1
4	• 118614	• O-ring	1	14	275184	Foam Tape (six 1/2 in. pcs)	0.5 ft.
5	121527	Knight Logo	1	15	121700	Set Screw	2
6a		Refer to "Cuspidor Assembly")	Ref	16	122354	Collar	1
6b		Universal Hole Plug Kit		17	122284	Cover (sterling grey)	1
	153170	(sterling grey)	AR		122284-01	Cover (pebble grey)	1
	153170-01	(pebble grey)	AR	18	122286	LH Side Cover (sterling grey)	1
7	109191	Clip	1		122286-01	LH Side Cover (pebble grey)	1

Always Specify Model & Serial Number

Chair Mounted Console Assembly

Internal Components

NOTE: All painted/plastic components on this page are Sterling Grey



KA982204i

Applies to units with "UA", "UC", & "UW" serial number prefixes

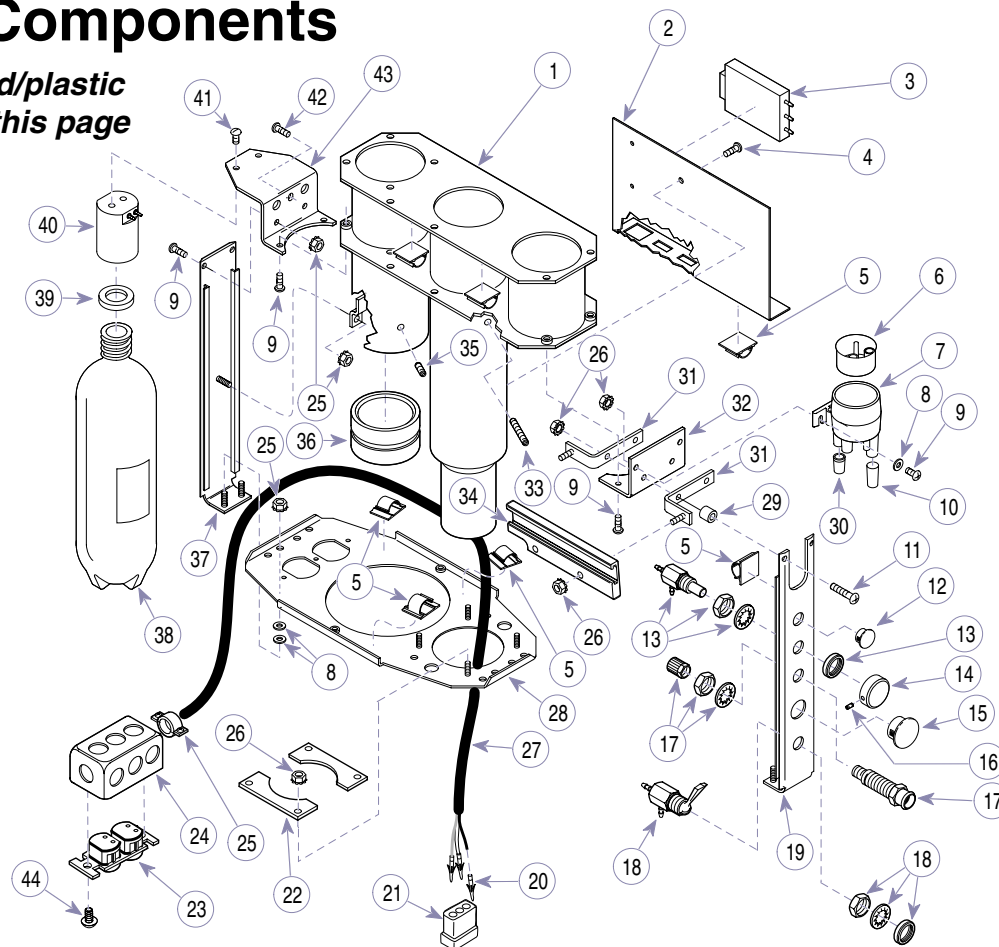
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	030-1452-50	Frame	1	22	120995	Umbilical Retaining Plate	2
2	122400-1	Accessory Mounting Plate.....	1	23	015-0083-01	Receptacle	1
3	152019	Hdpc. Illumination Power Pack - 120V (Apply w/Foam Tape p/n 275184).....	1	24	102958	Receptacle Box.....	1
	152020	Hdpc. Illumination Power Pack - 230V (Apply w/Foam Tape p/n 275184).....	1	25	102980	Connector	1
4	121337-2	Screw	4	26	122357	Keps Nut	25
5	109191	Clip	8	27	275283	Power Cord (120 VAC).....	9.5 ft.
6	118613	Basket	1	28	122295-1	Bottom Panel	1
7	151689	Housing	1	29	122361	Spacer	2
8	P1673	Washer.....	8	30	118917	Cap Plug	1
9	120199	Screw	8	31	050-5872-50	Solids Collector Bracket.....	1
10	P15280	Cap Plug	1	32	120913	Set Screw (Apply Loctite* 242 p/n 042-0024-00).....	2
11	122363	Screw	2	33	122362-50	Receptacle.....	1
12	120236	Hole Plug - <i>Only Used On Units w/o Optional Auxiliary Switch (shown)</i>	1	34	106753	Set Screw (Apply Loctite* 242 p/n 042-0024-00).....	3
	153275	Auxiliary Switch - <i>Only Used On Units w/ Opt. Auxiliary Switch (not shown)</i>	1	35	122339	Lower Bearing.....	1
13	118183-1	Needle Valve (Includes hardware)	1	36	122310-1	Foot End Panel	1
14	120875-1	Knob	1	37	152894	Bottle Replacement Kit (750 ml) (Includes item 39).....	1
15	120227	Hole Plug.....	2		153282	Bottle Replacement Kit (2.0 liter) (Includes item 39).....	1
16	120178	Set Screw.....	1	38	• 120393	• Gasket.....	1
17	137258	Coupling (Includes hardware)	1	39	153284	Bottle Cap Assy. (Includes item 39)	1
18	153073	Toggle Valve (Includes hardware)	1	40	120385	Screw	2
19	122309-1	Head End Panel	1	41	101755	Screw	1
20	101928	Male Terminal.....	3	42	122298-1	Water Bottle Bracket.....	1
21	101927	Female Connector.....	1	43	121698-5	Screw	4

Always Specify Model & Serial Number

Chair Mounted Console Assembly

Internal Components

NOTE: All painted/plastic components on this page are Pebble Grey



KA982201i

Applies to units with serial numbers PL1000 thru PL1571

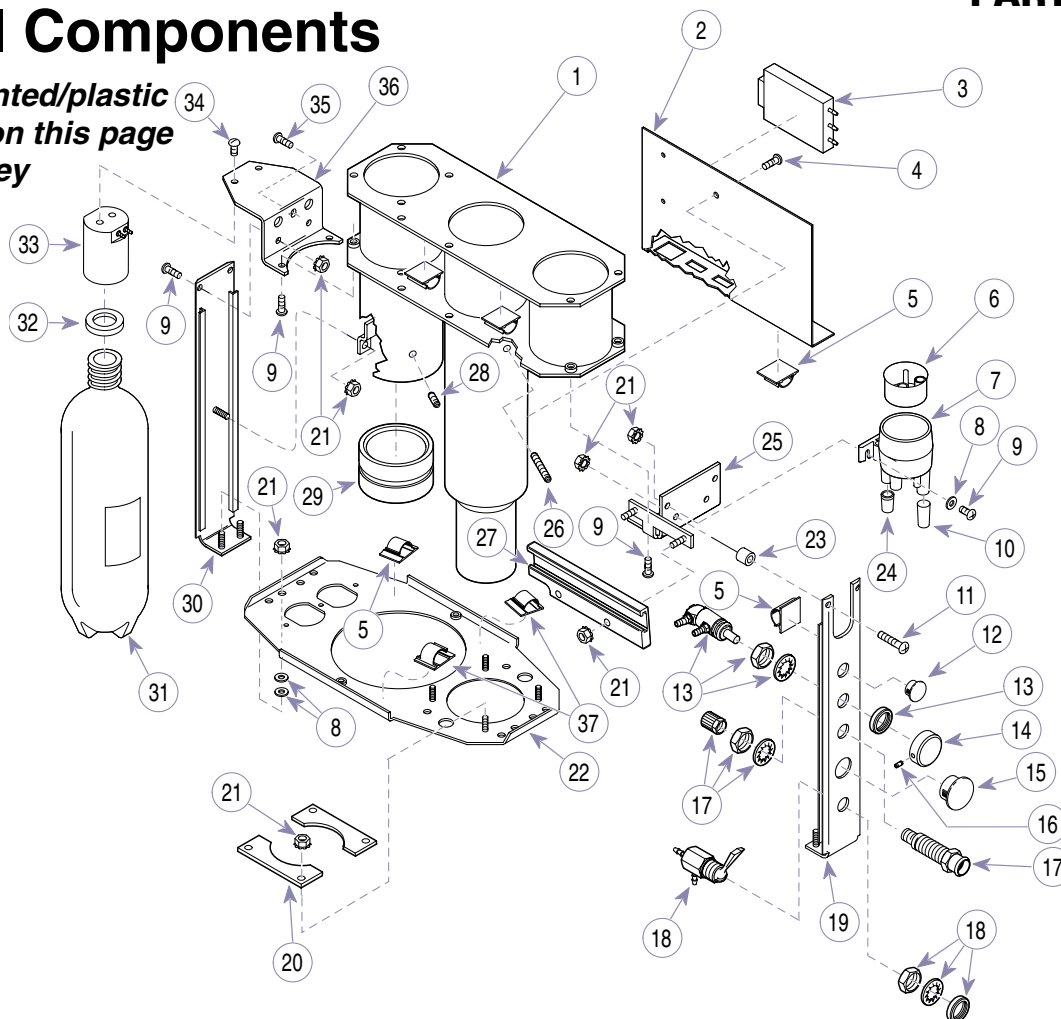
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	030-1452-50	Frame	1	23	015-0083-01	Receptacle	1
2	122400-50	Accessory Mounting Plate	1	24	102958	Receptacle Box	1
3	152019	Hdpc. Illumination Power Pack (120 V) .	1	25	102980	Connector	1
	152020	Hdpc. Illumination Power Pack (230 V) .	1	26	122357	Keps Nut	25
		(Apply Foam Tape p/n 275184)		27	275283	Power Cord (120 VAC)	9.5 ft.
4	121337-2	Screw	4	28	122295-50	Bottom Panel	1
5	109191	Clip	8	29	122361	Spacer	2
6	118613	Basket	1	30	118917	Cap Plug	1
7	151689-01	Housing	1	31	122299-2	Receptacle Mounting Bracket	2
8	P1673	Washer	8	32	122300-50	Solids Collector Bracket	1
9	120199	Screw	8	33	120913	Set Screw (Apply Loctite* 242 p/n 042-0024-00)	2
10	P15280	Cap Plug	1	34	122362-50	Receptacle	1
11	122363	Screw	2	35	106753	Set Screw (Apply Loctite* 242 p/n 042-0024-00)	3
12		Units w/o Auxiliary Switch		36	122339	Lower Bearing	1
	120236-50	Hole Plug (shown)	1	37	122310-50	Foot End Panel	1
		Units w/Auxiliary Switch	1	38	152894	Bottle Replacement Kit (750 ml) (Includes item 39)	1
	153275	Auxiliary Switch (not shown)	1		153282	Bottle Replacement Kit (2.0 liter) (Includes item 39)	1
13	118183-1	Needle Valve (Includes hardware)	1	39	• 120393	• Gasket	1
14	120875-50	Knob	1	40	153284	Bottle Cap Assy. (Includes item 39)	1
15	120227-50	Hole Plug	2	41	120385	Screw	2
16	120178	Set Screw	1	42	101755	Screw	1
17	137258	Coupling (Includes hardware)	1	43	122298-50	Water Bottle Bracket	1
18	153073	Toggle Valve (Includes hardware)	1	44	121698-5	Screw	4
19	122309-50	Head End Panel	1				
20	101928	Male Terminal	3				
21	101927	Female Connector	1				
22	120995-00	Umbilical Retaining Plate	2				

Always Specify Model & Serial Number

Chair Mounted Console Assembly

Internal Components

NOTE: All painted/plastic components on this page are Pebble Grey



KA982203i

Applies to units with serial numbers PL1572 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	030-1452-50	Frame	1	21	122357	Keps Nut	17
2	122400-50	Accessory Mounting Plate.....	1	22	122295-50	Bottom Panel	1
3	029-2876-00	Hdpc. Illumination Power Pack (120 V) . 1		23	122361	Spacer	2
	152020	Hdpc. Illumination Power Pack (230 V) . 1		24	118917	Cap Plug	1
		(Apply Foam Tape p/n 275184)		25	050-5872-50	Solids Collector Bracket.....	1
4	040-0010-109	Screw	7	26	120913	Set Screw (Apply Loctite #042-0024-00)2	
5	109191	Clip	6	27	122362-50	Receptacle.....	1
6	118613	Basket	1	28	106753	Set Screw (Apply Loctite #042-0024-00)3	
7	151689-01	Housing	1	29	122339	Lower Bearing.....	1
8	P1673	Washer.....	10	30	122310-50	Foot End Panel	1
9	120199	Screw	4	31	152894	Bottle Replacement Kit (750 ml)	
10	P15280	Cap Plug	1			(Includes Item 34)	1
11	122363	Screw	2		153282	Bottle Replacement Kit (2.0 liter)	
12		Units w/o Auxiliary Switch				(Includes Item 34)	1
	120236-50	Hole Plug (shown).....	1	32	• 120393	• Gasket.....	1
		Units w/Auxiliary Switch	1	33	153284	Bottle Cap Assy. (Includes Item 34).....	1
	153275	Auxiliary Switch (not shown).....	1		002-0745-00	Water Bottle and Cap Kit (Includes Cap	
13	118183-1	Needle Valve (Includes hardware)	1			[35], 750 ml Bottle [33], Screws [36], Hole	
14	120875-50	Knob	1			Plugs [Not Shown] and Cover Drilling	
15	120227-50	Hole Plug.....	1			Template [Not Shown])	1
16	120178	Set Screw	1	34	120385	Screw	2
17	137258	Coupling (Includes hardware)	1	35	101755	Screw	1
18	153073	Toggle Valve (Includes hardware)	1	36	122298-50	Water Bottle Bracket	1
19	122309-50	Head End Panel	1	37	053-1354-00	Cord Clip Push Mount.....	2
20	120995-00	Umbilical Retaining Plate	2	38	121698-5	Screw (Not Shown)	2

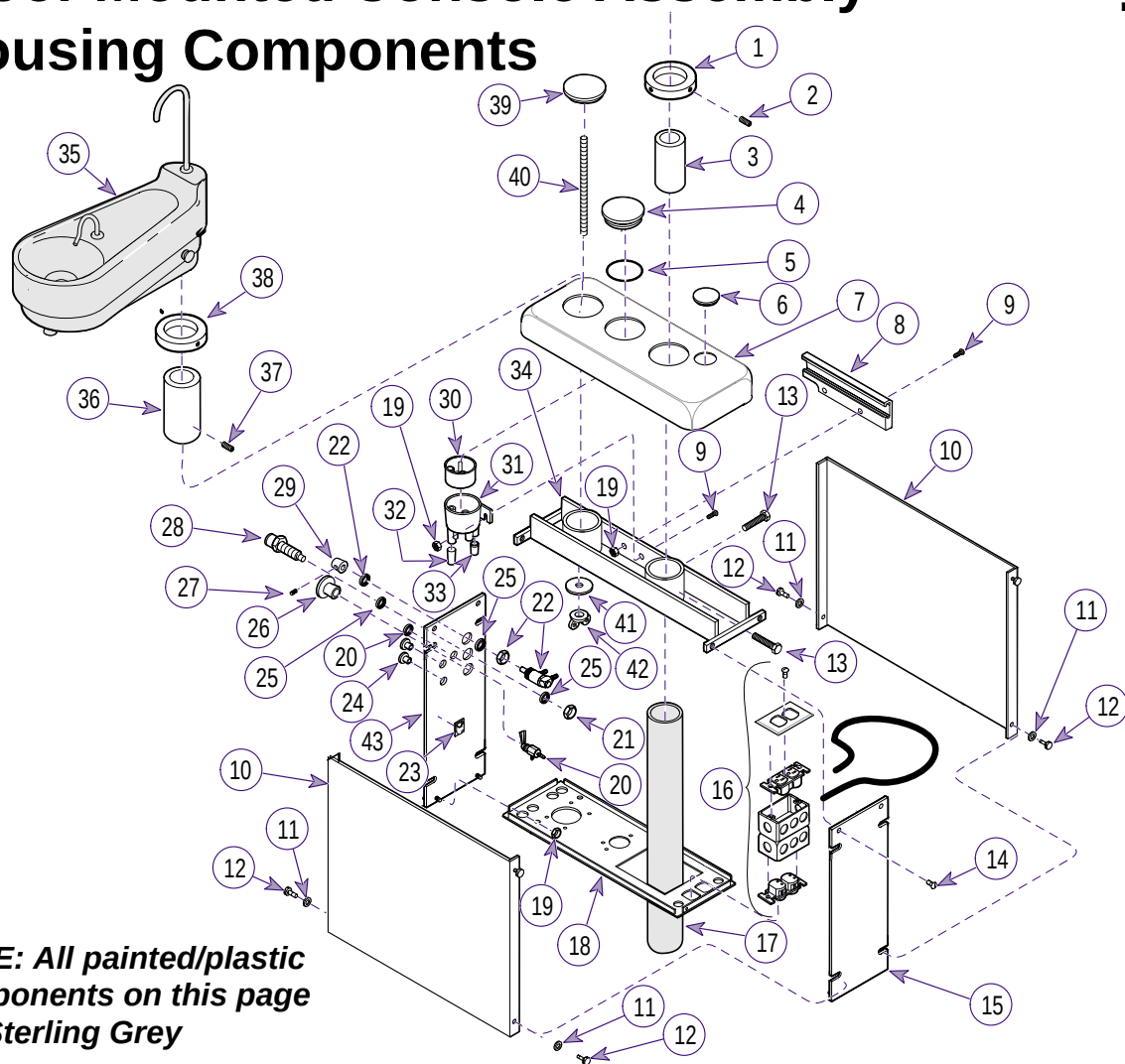
Always Specify Model & Serial Number

Floor Mounted Console Assembly

Housing Components

SECTION VI

PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

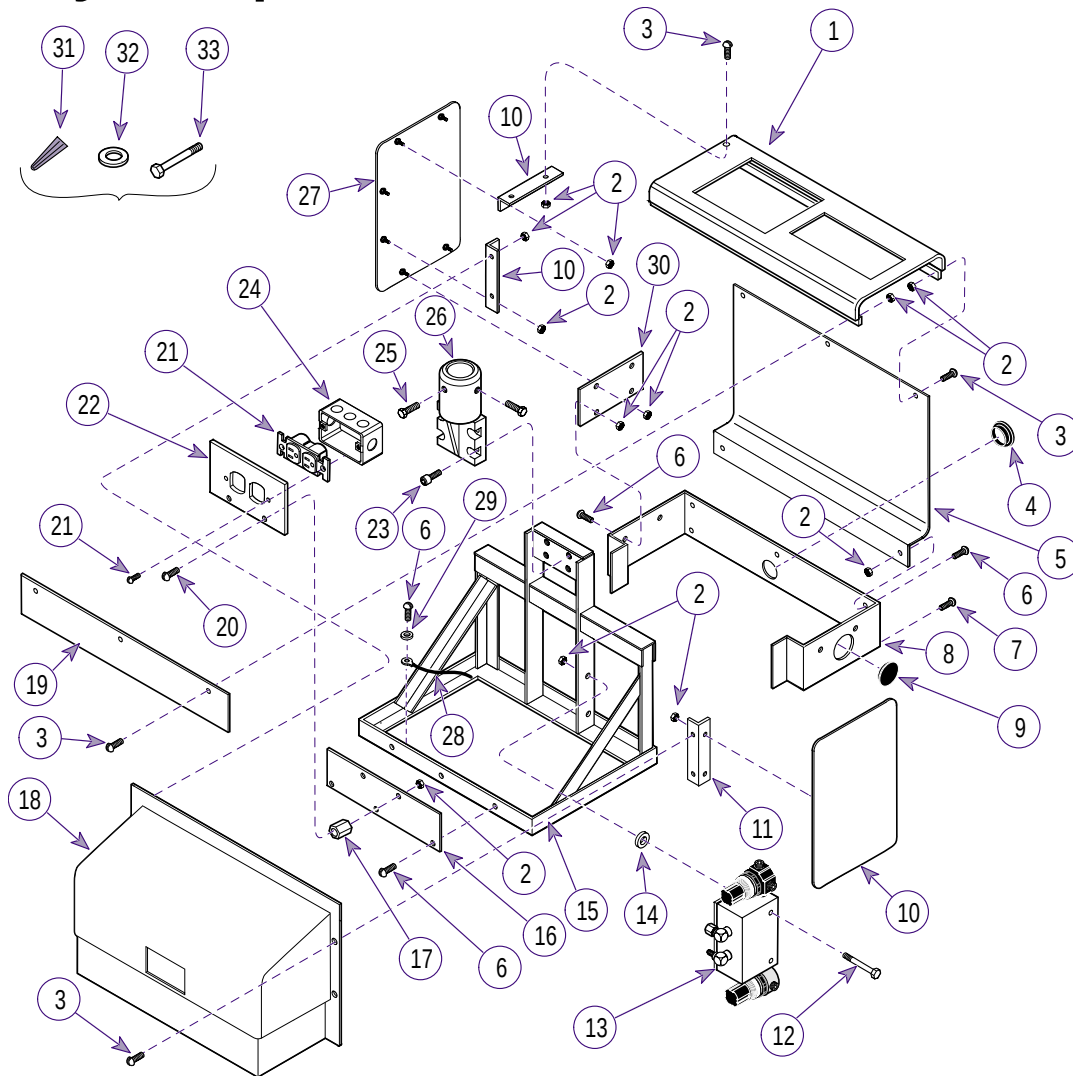
KA931701i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121772-1	Trim Cap.....	1	24	120236	Hole Plug (.50 in. dia)	2
2	P11836	Set Screw.....	2	25	121807	Washer (Apply Loctite* 242 p/n 042-0024-00).....	3
3	117506	Bearing.....	1	26	120227	Hole Plug (.75 in. dia)	1
4	119897	Cover.....	1	27	120178	Set Screw	1
5	118614	O-ring	1	28	137258	Coupling.....	1
6	121768-1	Hole Plug.....	1	29	120170-1	Knob	1
7	121767	Top Cover	1	30	118613	Basket.....	1
8	120242-2	Receptacle	1	31	151689	Housing (Includes items 32 & 33).....	1
9	117601	Screw	4	32	• P15280	• Caplug	1
10	120210-1	Side Panel.....	2	33	• 118917	• Caplug	1
11	156310	Nylon Washer.....	8	34	152503-1	Mount Assembly	1
12	151779	Thumbscrew.....	8			<i>Items 35 thru 38 apply only to units with Cuspidor</i>	
13	155551	Screw	2	35		Refer to "Cuspidor Assembly"	Ref
14	120233	Screw	4	36	122384	Bearing	1
15	120209-1	Panel (Foot End)	1	37	121700	Set Screw	2
16	152879	Power Cord/Receptacle Assembly (For parts breakdown, refer to "FM Console Power Cord/ Receptacle Assembly")	1	38	122354	Collar	1
						<i>Items 39 thru 42 apply only to units w/o Cuspidor</i>	
17	121775-1	Post	1	39	120380-1	Hole Plug	1
18	121779-1	Bottom Panel.....	1	40	120381	Threaded Rod.....	1
19	122357	Keps Nut.....	9	41	120382-1	Plate.....	1
20	117392	Toggle Switch	1	42	101248	Wing Nut.....	1
21	137259	Coupling	1	43	120648-3	Panel (Head End)	1
22	029-2449-01	Needle Valve (Includes hardware).....	1				
23	109191	Cord Clip	11				

Always Specify Model & Serial Number

Floor Mounted Console Base Assembly Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

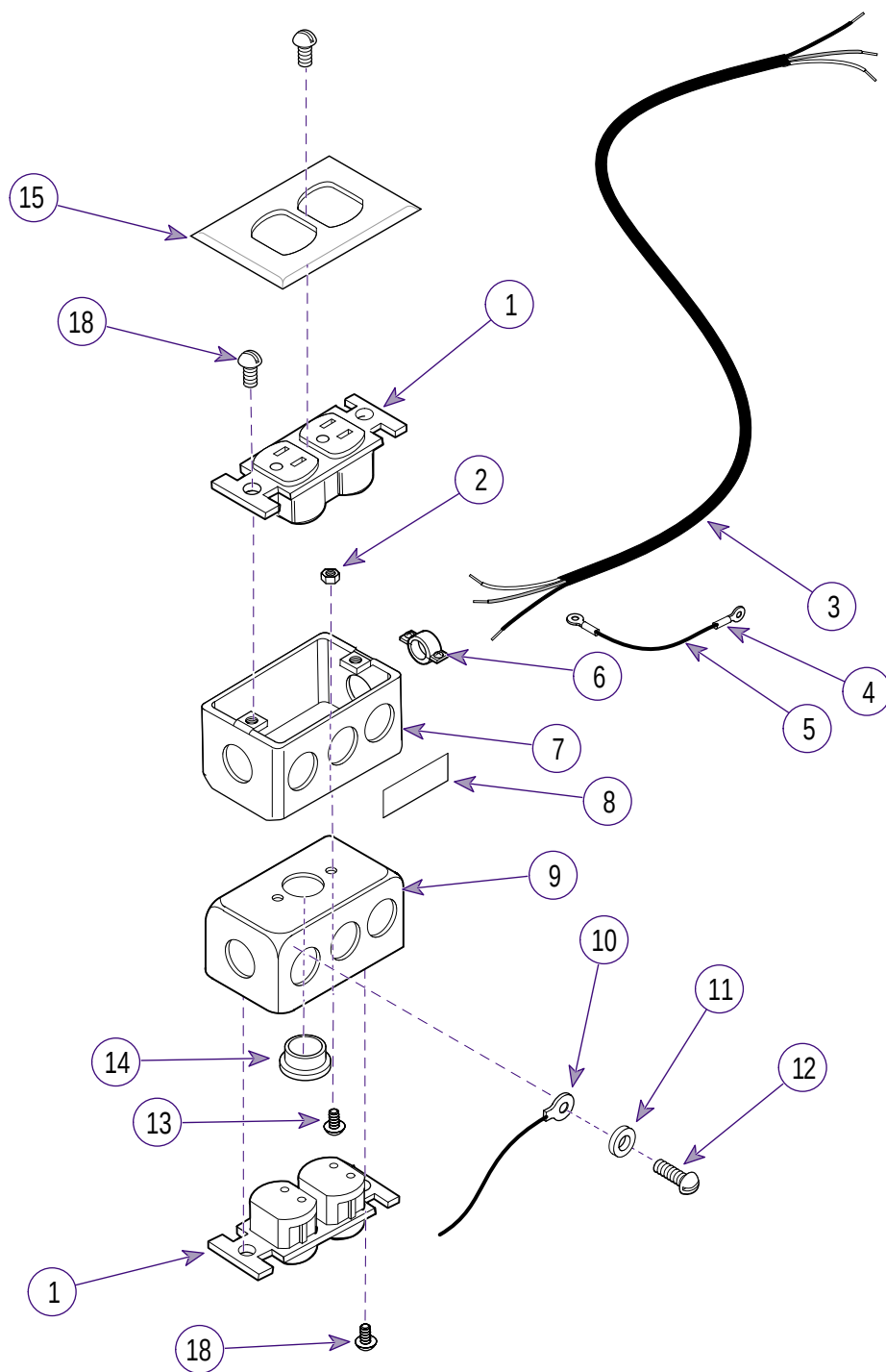
KA931800

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	120625-1	Top Cover	1	18	117878	Rear Cover.....	1
2	122357	Keps Nut.....	22	19	120627-1	Back Cover	1
3	120233	Screw	14	20	122363	Screw	2
4	103192	Snap Bushing.....	1	21	015-0083-01	Receptacle (Includes two screws)	1
5	120626-1	Front Cover.....	1	22	117871-1	Receptacle Plate.....	1
6	101755	Screw	15	23	C4983	Screw	4
7	120199	Screw	3	24	102958	Jiffy Box	1
8	117874-1	Front Skirt.....	1	25	121791	Hex Bolt	8
9	120637	Hole Plug.....	2	26	152543-1	Adapter Weldment	1
10	120628-1	Panel (Head End).....	1	27	120629-1	Panel (Foot End).....	1
11	117921	Bracket	4	28	151847	Ground Wire Assembly	2
12	C5610	Screw	2	29	P14718	Lockwasher.....	2
13		Refer to "Valve Block Assembly"	Ref	30	117967-2	Skirt Plate	2
14	100884	Spacer.....	2	31	118034	Plastic Anchor.....	8
15	149813	Base Frame Weldment.....	1	32	117649	Washer.....	8
16	149833	Panel Support Assembly	1	33	101317	Screw.....	8
17	117527	Standoff	2	34	TP1119	Installation Instructions (not shown)	1

Always Specify Model & Serial Number

FM Console Power Cord / Receptacle Assembly

SECTION VI PARTS LIST



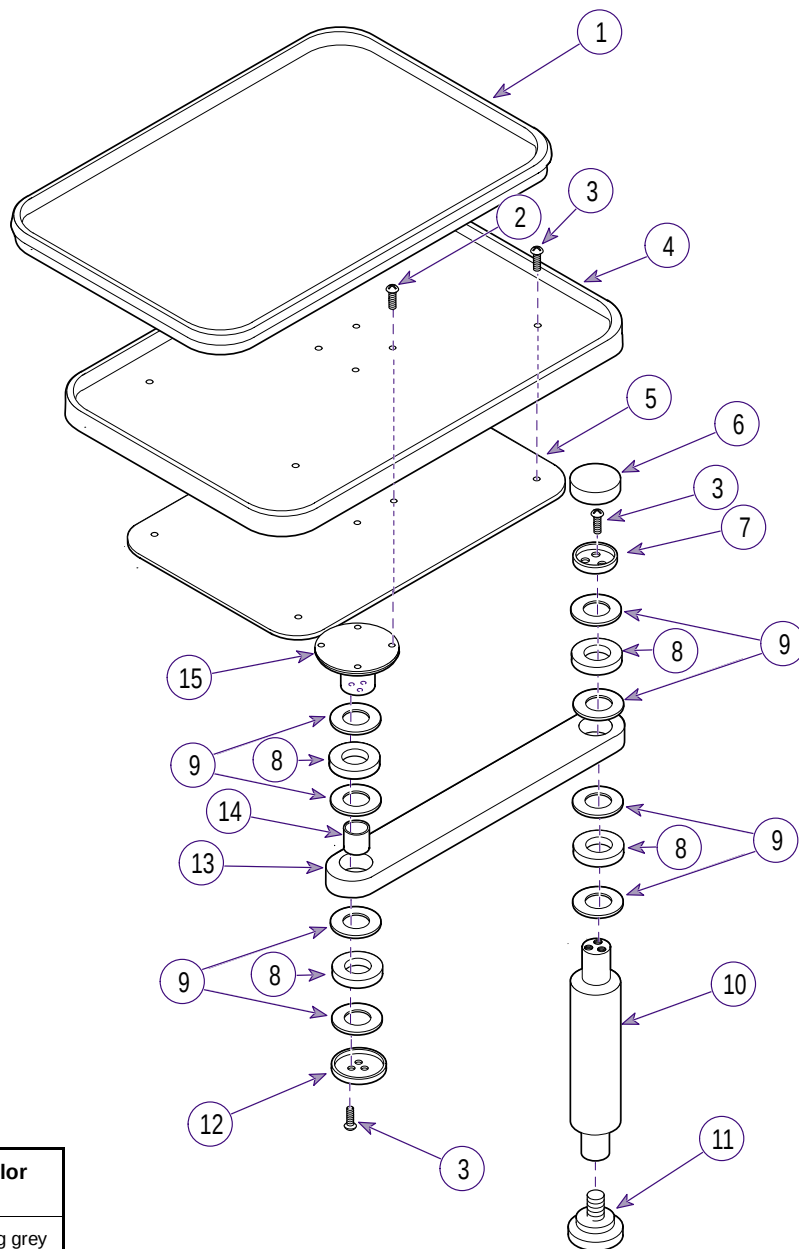
KA936400

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	015-0083-01	Receptacle (Includes hardware).....	2	10	151912	Ground Wire Assembly	1
2	P507	Nut.....	2	11	P14718	Lockwasher	1
3	275283	Cable.....	9.5 ft.	12	117787	Screw.....	1
4	P16223	Terminal.....	2	13	120199	Screws	2
5	275289	Wire (green)	0.66 ft	14	120369	Insulator	1
6	102980	Connector.....	1	15	120237	Receptacle Cover	1
7	102958	Receptacle Box	1	16	275287	Jumper Wire-[black (not shown)] ..	0.66 ft.
8	112504	Label	1	17	275288	Jumper Wire-[white (not shown)] ..	0.66 ft.
9	120492	Receptacle Box	1	18	121698-5	Screw.....	4

Always Specify Model & Serial Number

Instrument Tray Arm Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

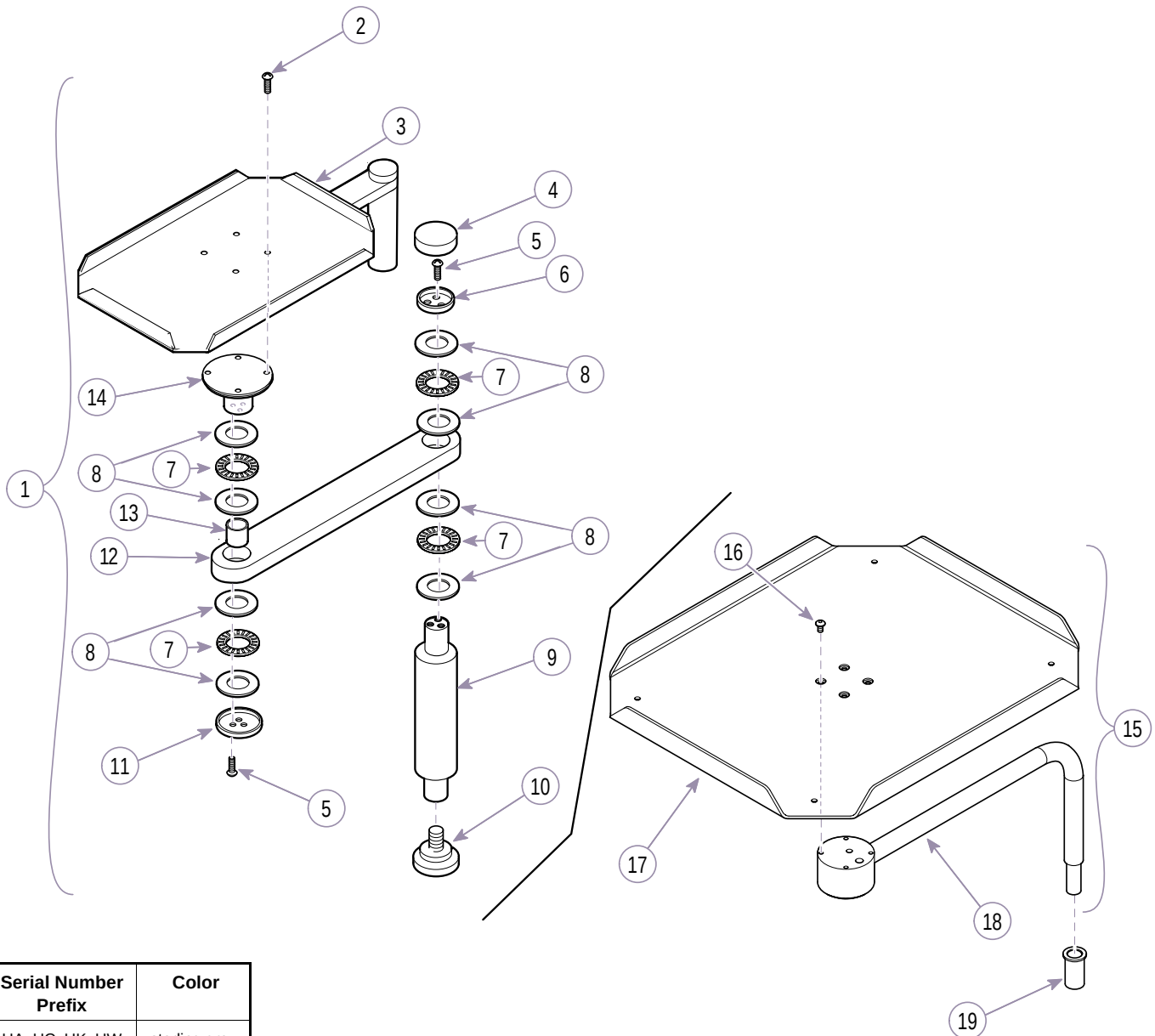
AF211100

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
		Instrument Tray Assembly (includes items 1 thru 15)		7	• 121081-2	• Bearing Cap	1
	152146	(sterling grey)	1	8	• 119462	• Needle Bearing	4
	152146-01	(pebble grey)	1	9	• 119458	• Washer	8
1	• 116599	• Tray	1	10	• 121080-1	• Post (sterling grey)	1
2	• 120612	• Screw	4		• 121080-50	• Post (pebble grey)	1
3	• 119905	• Screw	10	11	• 152145	• Knob Assembly	1
4	• 120613	• Tray Support (sterling grey)	1	12	• 120580-1	• Bearing Cap (sterling grey)	1
	• 120613-01	• Tray Support (pebble grey)	1		• 120580-50	• Bearing Cap (pebble grey)	1
5	• 120617	• Plate (sterling grey)	1	13	• 121079-1	• Tray Arm (sterling grey)	1
	• 120617-50	• Plate (pebble grey)	1		• 121079-50	• Tray Arm (pebble grey)	1
6	• 121082-1	• Cap (sterling) (apply Silicone RTV) ..	1	14	• 120579	• Bearing	2
	• 121082-50	• Cap (pebble) (apply Silicone RTV)	1	15	• 120585-2	• Tray Arm Pin	1

Always Specify Model & Serial Number

Tub Support Arm Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

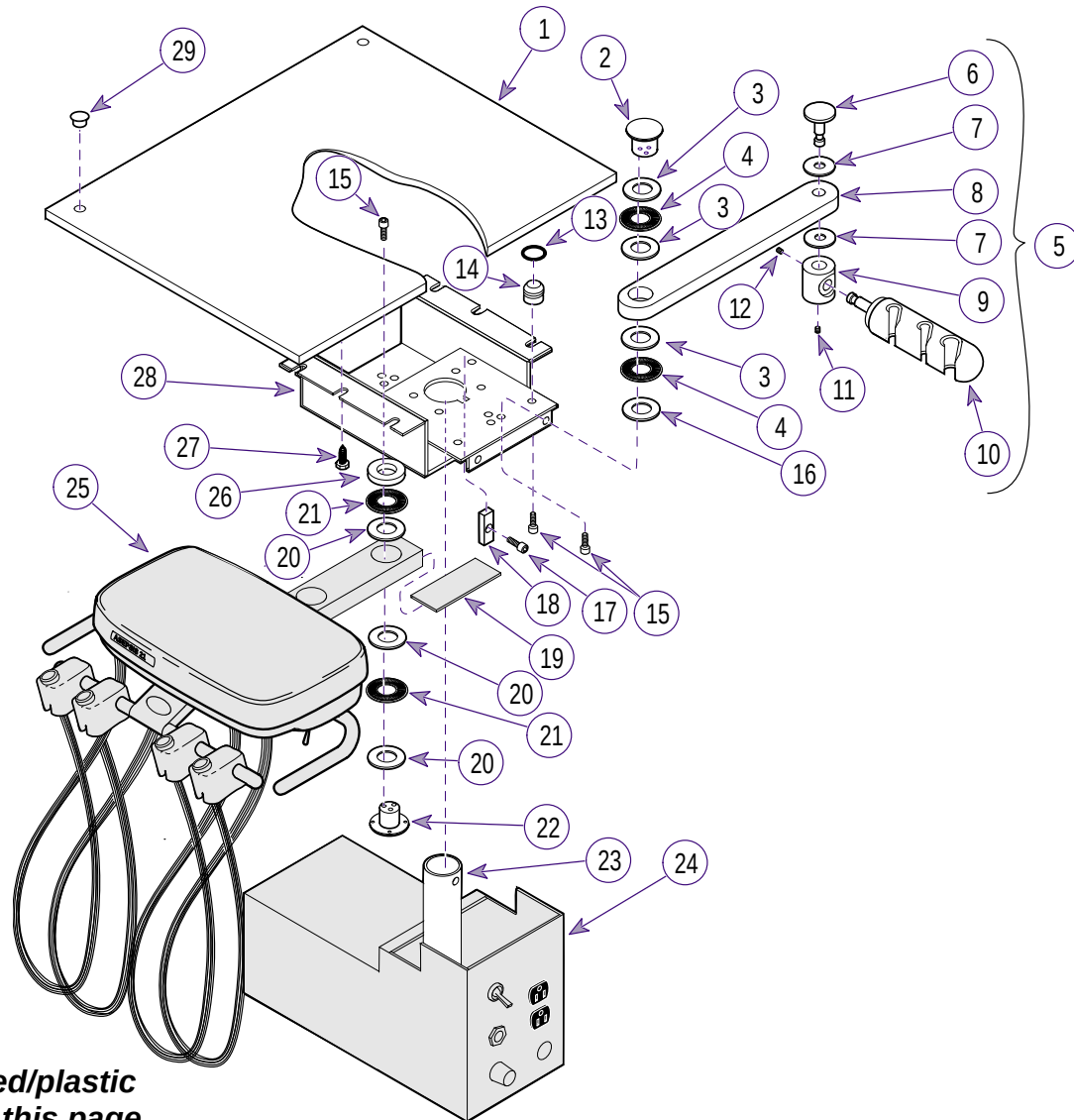
AF211201i

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Tub Support Arm Assembly (Includes Items 2 thru 14)		10	• 152145	• Knob Assembly	1
	152423	(sterling grey)	1	11	• 120580-1	• Cap (sterling grey)	1
	152423-01	(pebble grey) (Prior to 2003)	1		• 120580-50	• Cap (pebble grey)	1
2	• 119905	• Screw	4	12	• 121079-1	• Tray Arm (sterling grey)	1
3	• 050-5293-00	• Tub Support (sterling grey)	1		• 121079-50	• Tray Arm (pebble grey)	1
	• 050-5293-50	• Tub Support (pebble grey)	1	13	• 120579	• Bearing	2
4	• 121082-1	• Cap (sterling) (apply Silicone RTV) ...	1	14	• 120585-2	• Tray Arm Pin	1
	• 121082-50	• Cap (pebble) (apply Silicone RTV) ...	1	15	029-2791-00	Tub Support Arm Assembly (2003 and After) (Includes Items 16 thru 18)	
5	• 120612	• Screw	6	16	• 119905	• Screw	4
6	• 121081-2	• Bearing Cap	1	17	• 050-5293-50	• Tub Support	1
7	• 119462	• Needle Bearing	4	18	• 029-2794-50	• Tray Mount Arm	1
8	• 119458	• Washer	8	19	016-0131-22	Flange Bearing	1
9	• 121080-1	• Post (sterling grey)	1				
	• 121080-50	• Post (pebble grey)	1				

Always Specify Model & Serial Number

Asepsis 21 Duo / Assistant's Top Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

AF212800

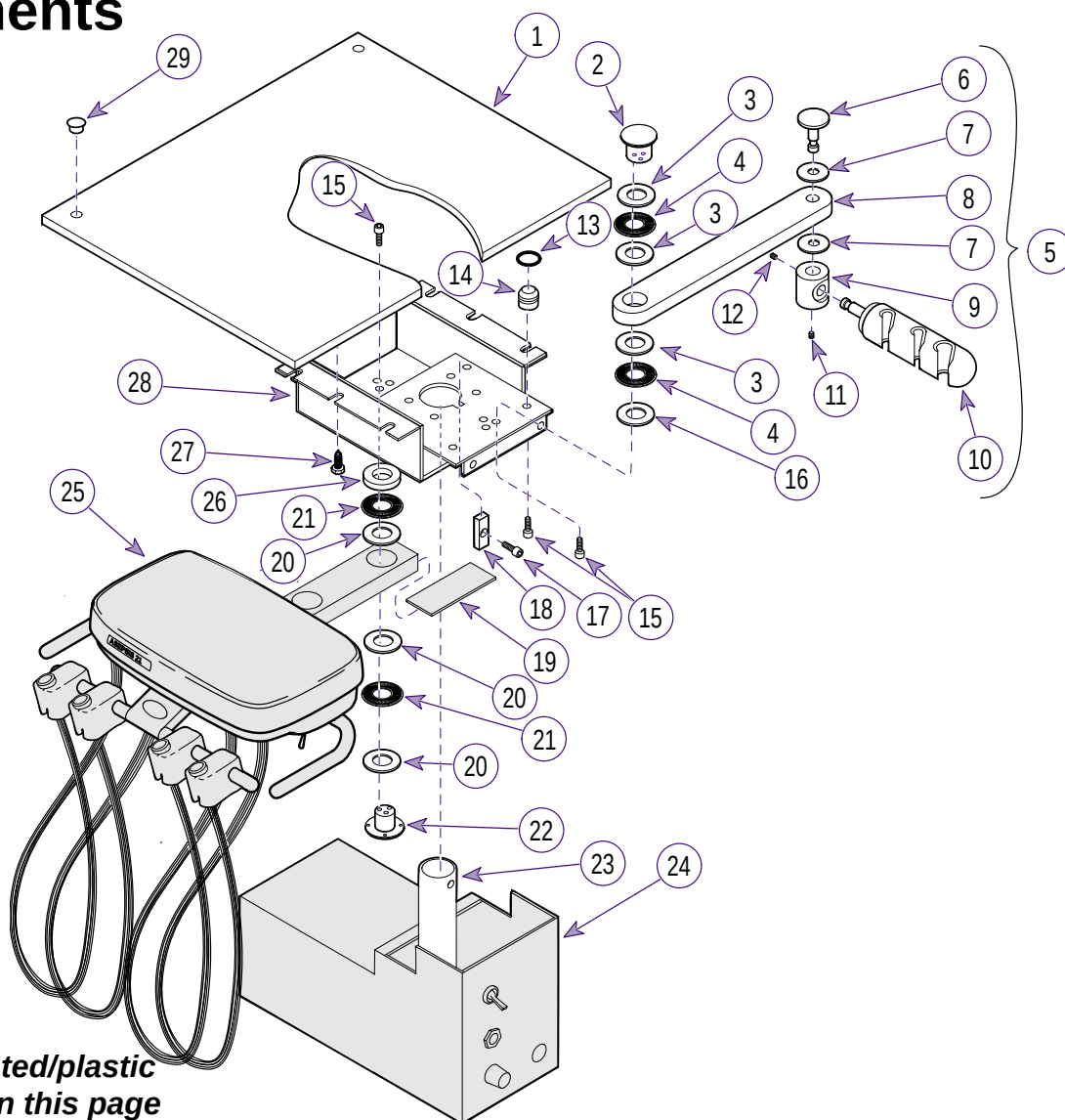
Applies to units with "UA"& "UK" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121504	Top	1	16	155287	Washer	1
2	121075-2	Stud	1	17	106657	Screw	1
3	119034	Race Bearing	3	18	121070-2	Block	1
4	119033	Thrust Bearing	2	19	121067-1	Support Arm Bottom Cover	1
5	152161	Instrument Arm Assy. (incl. 6 thru 12)	1	20	121073	Race Bearing	3
6	• 121024-1	• Arm Holder Pin	1	21	121072	Thrust Bearing	2
7	• 121025	• Washer	2	22	121071-2	Stud	1
8	• 121105-1	• Instrument Holder Arm	1	23		Refer to " Cart Assy Base Compts. ")	Ref
9	• 121023-1	• Holder Mount	1	24		Refer to " Asepsis 21 Duo/ Assistant's Housing Components ")	Ref
10	• 122979	• Hndpc. Holder (3 position- shown)	1	25		Refer to " Asepsis 21 Delivery Unit Assembly ")	Ref
		• Hndpc. Holder (4 position- not shown)	1				
11	• 121148	• Set Screw	1	26	121074	Race Bearing	1
12	• 120913	• Set Screw	1	27	121077	Screw	6
13	119888	O-ring	2	28	152119-1	Support Weldment	1
14	121076	Arm Stop Post	2	29	120236	Hole Plug	1
15	120372	Screw	1				

Always Specify Model & Serial Number

Asepsis 21 Duo / Assistant's Top Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

AF212801i

Applies to units with "PM" serial number prefix

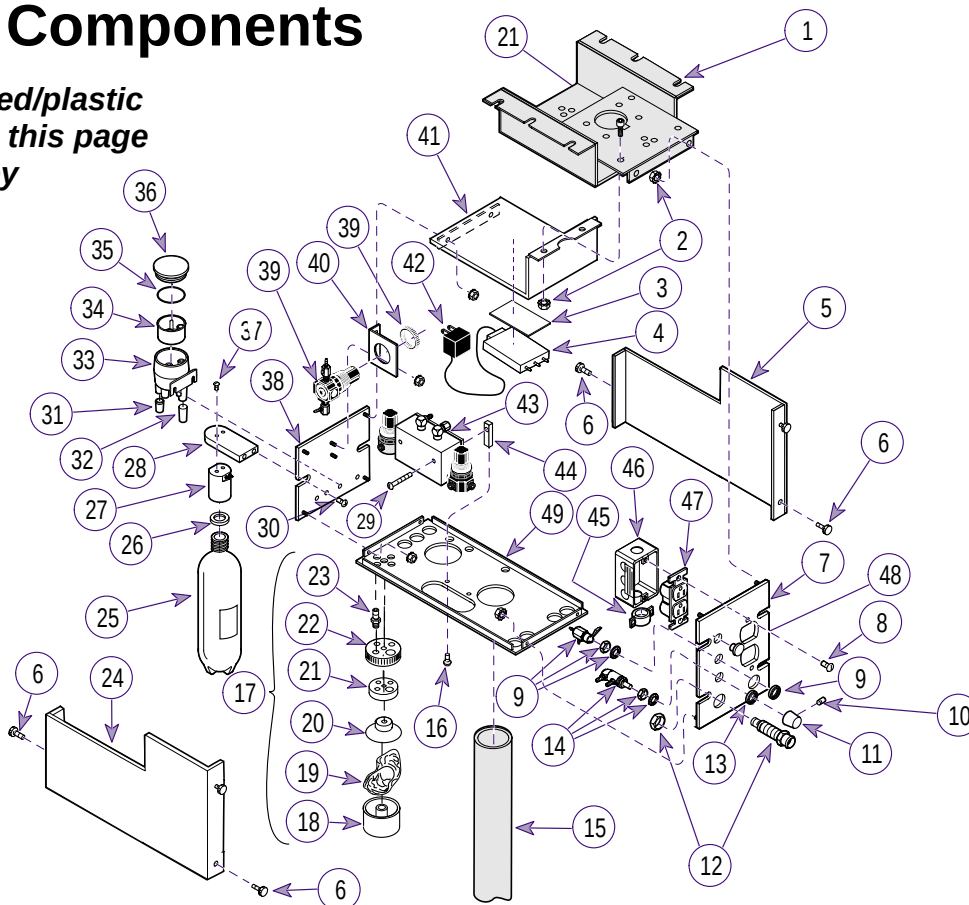
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	063-9942-00	Top	1	16	155287	Washer	1
2	121075-2	Stud	1	17	106657	Screw	1
3	119034	Race Bearing	3	18	121070-2	Block	1
4	119033	Thrust Bearing	2	19	121067-50	Support Arm Bottom Cover	1
5	152161-01	Assistant's Instrument Holder Arm Assy. (Includes items 6 thru 12) ...	1	20	121073	Race Bearing	3
6	• 121024-50	• Arm Holder Pin	1	21	121072	Thrust Bearing	2
7	• 121025	• Washer	2	22	121071-2	Stud	1
8	• 121105-50	• Instrument Holder Arm	1	23		Refer to " Cart Assembly Base Components ")	Ref
9	• 121023-50	• Holder Mount	1	24		Refer to " Asepsis 21 Duo/ Assistant's Housing Components ") ..	Ref
10	• 122979	• Hndpc. Holder (3 position- shown)	1	25		Refer to " Asepsis 21 Delivery Head Assembly ")	Ref
		• Hndpc. Holder (4 position- not shown) ..	1	26	121074	Race Bearing	1
11	• 121148	• Set Screw	1	27	121077	Screw	6
12	• 120913	• Set Screw	1	28	152119-50	Support Weldment	1
13	119888	O-ring	2	29	120236-50	Hole Plug	1
14	121076	Arm Stop Post	2				
15	120372	Screw	1				

Always Specify Model & Serial Number

Asepsis 21 Duo / Assistant S Housing Components

SECTION VI PARTS LIST

NOTE: All painted/plastic components on this page are Sterling Grey



KA982300i

Applies to units with "UA"& "UK" serial number prefixes

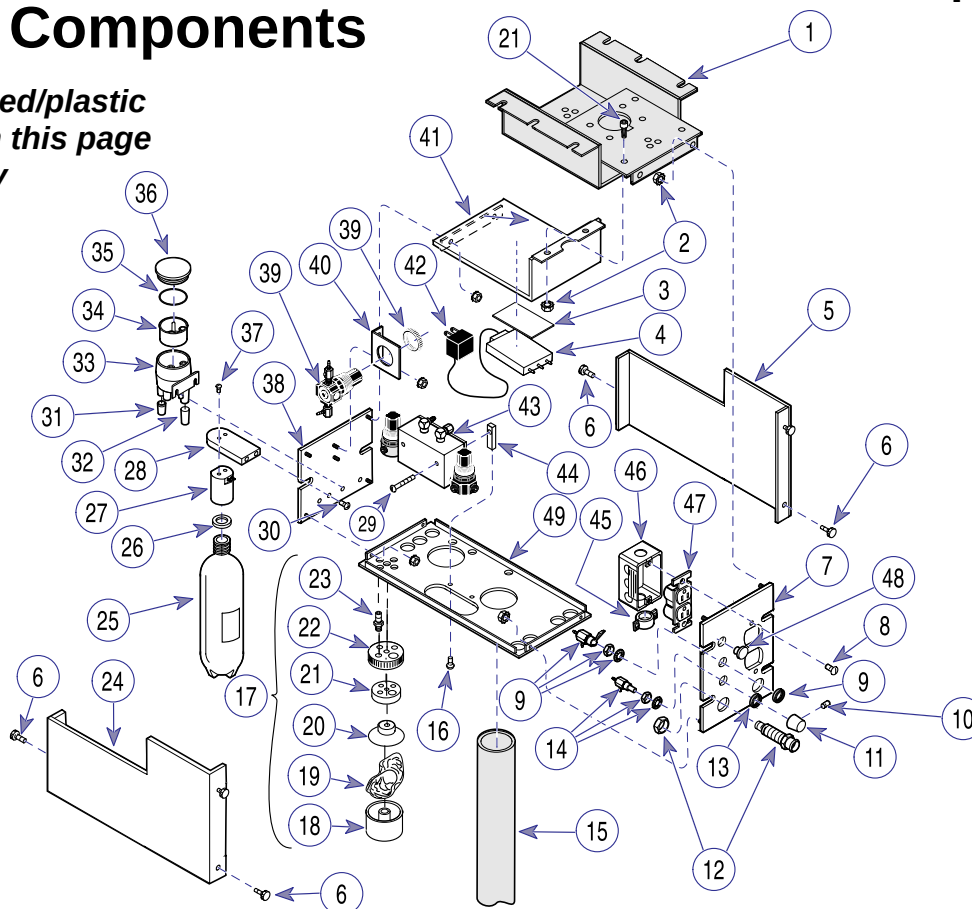
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to " Asepsis 21 Duo/Assistant's Top Components ") Ref		25	122302	Bottle (750 ml)	1
2	122357	Keys Lock Nut	9	26	120393	Gasket.....	1
3		Adhesive Backing (Included w/ item 4)..	1	27	153276	Cap Assembly.....	1
4	153025	Power Pack.....	1	28	120391-1	Support Bracket.....	1
5	121015-1	Side Panel (Right)	1	29	P9216	Screw	2
6	149730	Thumbscrew.....	6	30	120199	Screw.....	2
7	121032-1	Front Cover.....	1	31	P15280	Cap Plug	1
8	121698-5	Screw	2	32	118917	Cap Plug	1
9	153073	Toggle Valve	1	33	151689	Housing Assembly	1
10	120178	Set Screw.....	1	34	118613	Basket.....	1
11	120170-1	Knob	1	35	118614	O-ring.....	1
12	137258	Female QD Coupling (Includes hardware)	1	36	119897	Cover	1
13	120388	Nut	1	37	151785-50	Screw	2
14	029-2449-01	Needle Valve	1	38	121033-1	Rear Cover.....	1
15		Refer to " Cart Assembly Base Components ") Ref		39	145756	Regulator	1
16	117558	Screw	2	40	120392	Regulator Mounting Bracket	1
17	152070	Air / Oil Separator (Includes items 18 thru 23)	1	41	121011-1	Top Cover.....	1
18	• 120937-5	• Bottle.....	1	42	120725	Transformer.....	1
19	• 121547	• Gauze Sponge.....	7	43	152138	Valve Block Assembly (For parts breakdown refer to " Valve Block Assembly Components ")	Ref
20	• 120933	• Diffuser	1	44	121065-2	Valve Mounting Block.....	2
21	• 120932	• Manifold	1	45	102980	Connector	1
22	• 120934-6	• Cap	1	46	102958	Jiffy Box	1
23	• 117349	• Fitting	3	47	117695	Receptacle.....	1
24	121016-1	Side Panel (Left).....	1	48	120236	Plug.....	3
				49	121012-1	Bottom Panel	1

Always Specify Model & Serial Number

Asepsis 21 Duo / Assistant S

Housing Components

NOTE: All painted/plastic components on this page are Pebble Grey



AF212600

Applies to units with serial numbers PM1000 thru PM1163

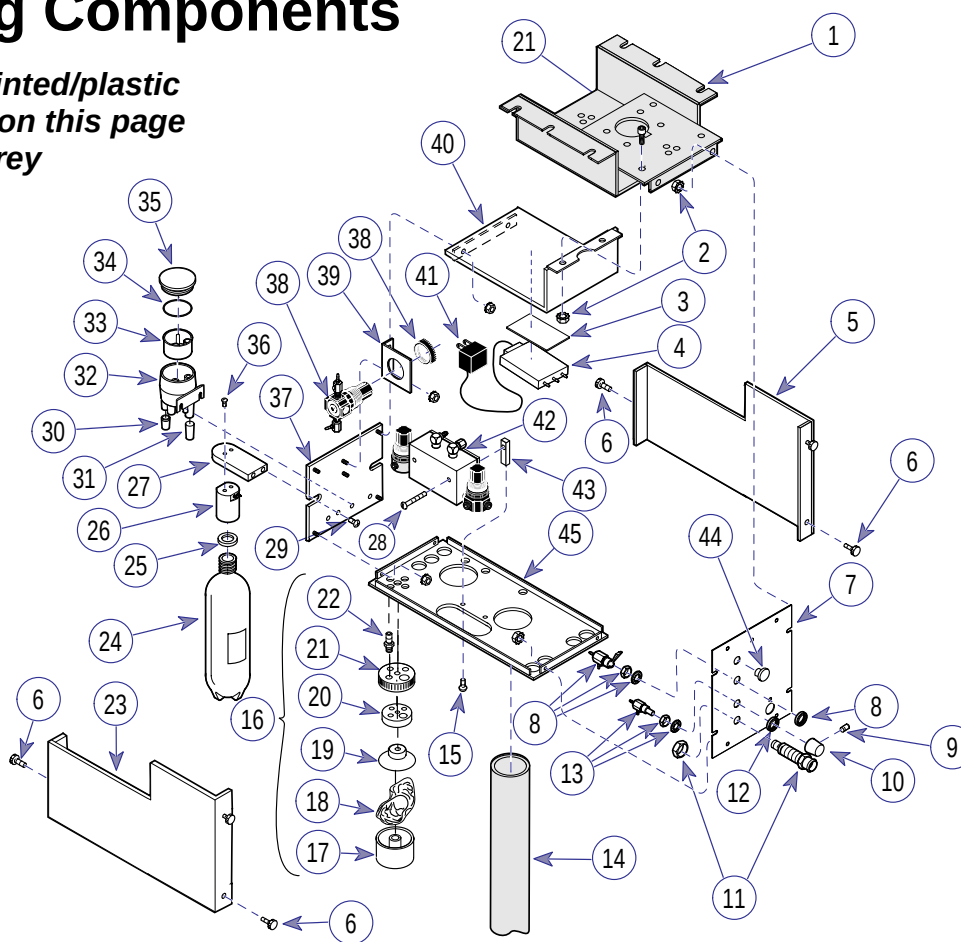
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to " Asepsis 21 Duo/Assistant's Top Components ")	Ref	25	122302	Bottle (750 ml)	1
2	122357	Keys Lock Nut	9	26	120393	Gasket	1
3		Adhesive Backing (Included w/ item 4)..	1	27	153276	Cap Assembly	1
4	153025	Power Pack	1	28	120391-50	Support Bracket	1
5	121015-50	Side Panel (Right)	1	29	P9216	Screw	2
6	149730	Thumbscrew	6	30	120199	Screw	2
7	121032-50	Front Cover	1	31	P15280	Cap Plug	1
8	121698-5	Screw	2	32	118917	Cap Plug	1
9	153073	Toggle Valve	1	33	151689-01	Housing Assembly	1
10	120178	Set Screw	1	34	118613	Basket	1
11	120170-50	Knob	1	35	118614	O-ring	1
12	137258	Female QD Coupling (Includes hardware)	1	36	119897-01	Cover	1
13	120388	Nut	1	37	151785-00	Screw	2
14	029-2449-01	Needle Valve	1	38	121033-50	Rear Cover	1
15		Refer to " Cart Assembly Base Components ")	Ref	39	145756	Regulator	1
16	117558	Screw	2	40	120392-50	Regulator Mounting Bracket	1
17	152070	Air / Oil Separator (Includes items 18 thru 23)	1	41	121011-50	Top Cover	1
18	• 120937-5	• Bottle	1	42	120725	Transformer	1
19	• 121547	• Gauze Sponge	7	43	152138	Valve Block Assembly (For parts breakdown refer to " Valve Block Assembly Components ")	Ref
20	• 120933	• Diffuser	1	44	121065-2	Valve Mounting Block	2
21	• 120932	• Manifold	1	45	102980	Connector	1
22	• 120934-6	• Cap	1	46	102958	Jiffy Box	1
23	• 117349	• Fitting	3	47	117695	Receptacle	1
24	121016-50	Side Panel (Left)	1	48	120236-50	Plug	3
				49	121012-50	Bottom Panel	1

Always Specify Model & Serial Number

Asepsis 21 Duo / Assistant S

Housing Components

NOTE: All painted/plastic components on this page are Pebble Grey



AF212601i

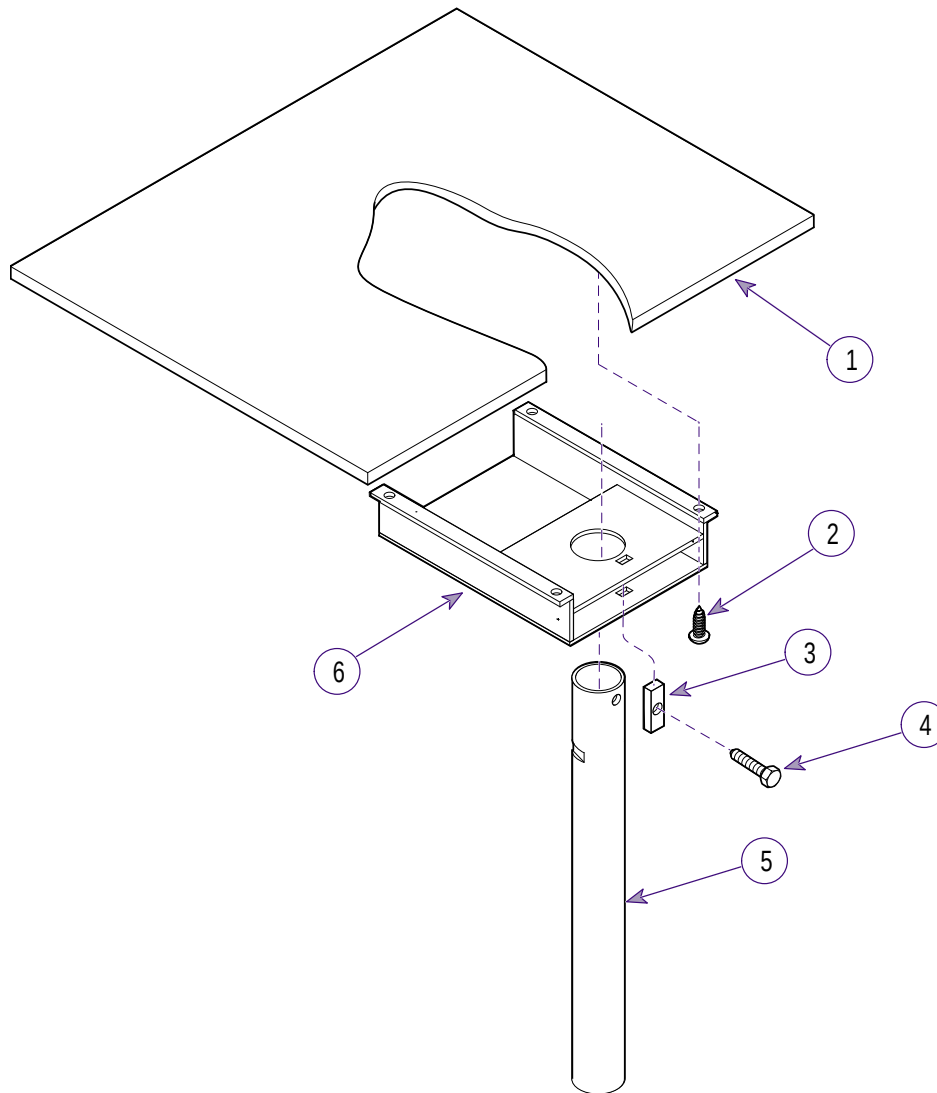
Applies to units with serial numbers PM1164 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to " Asepsis 21 Duo/Assistant's Top Components ")	Ref	23	121016-50	Side Panel (Left)	1
2	122357	Keys Lock Nut	9	24	122302	Bottle (750 ml)	1
3		Adhesive Backing (Included w/ item 4)	1	25	120393	Gasket	1
4	153025	Power Pack	1	26	153276	Cap Assembly	1
5	121015-50	Side Panel (Right)	1	27	120391-50	Support Bracket	1
6	149730	Thumbscrew	6	28	P9216	Screw	2
7	029-2904-50	Front Cover	1	29	120199	Screw	2
8	153073	Toggle Valve	1	30	P15280	Cap Plug	1
9	120178	Set Screw	1	31	118917	Cap Plug	1
10	120170-50	Knob	1	32	151689-01	Housing Assembly	1
11	137258	Female QD Coupling (Includes hardware)	1	33	118613	Basket	1
12	120388	Nut	1	34	118614	O-ring	1
13	029-2449-01	Needle Valve	1	35	119897-01	Cover	1
14		Refer to " Cart Assembly Base Components ")	Ref	36	151785-00	Screw	2
15	117558	Screw	2	37	121033-50	Rear Cover	1
16	152070	Air / Oil Separator (Includes items 18 thru 23)	1	38	145756	Regulator	1
17	• 120937-5	• Bottle	1	39	120392-50	Regulator Mounting Bracket	1
18	• 121547	• Gauze Sponge	7	40	121011-50	Top Cover	1
19	• 120933	• Diffuser	1	41	120725	Transformer	1
20	• 120932	• Manifold	1	42	152138	Valve Block Assembly (For parts breakdown refer to " Valve Block Assembly Components ")	Ref
21	• 120934-6	• Cap	1	43	121065-2	Valve Mounting Block	2
22	• 117349	• Fitting	3	44	120236-50	Plug	3
				45	121012-50	Bottom Panel	1

Always Specify Model & Serial Number

Mobile Work Surface Top Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

AF211300

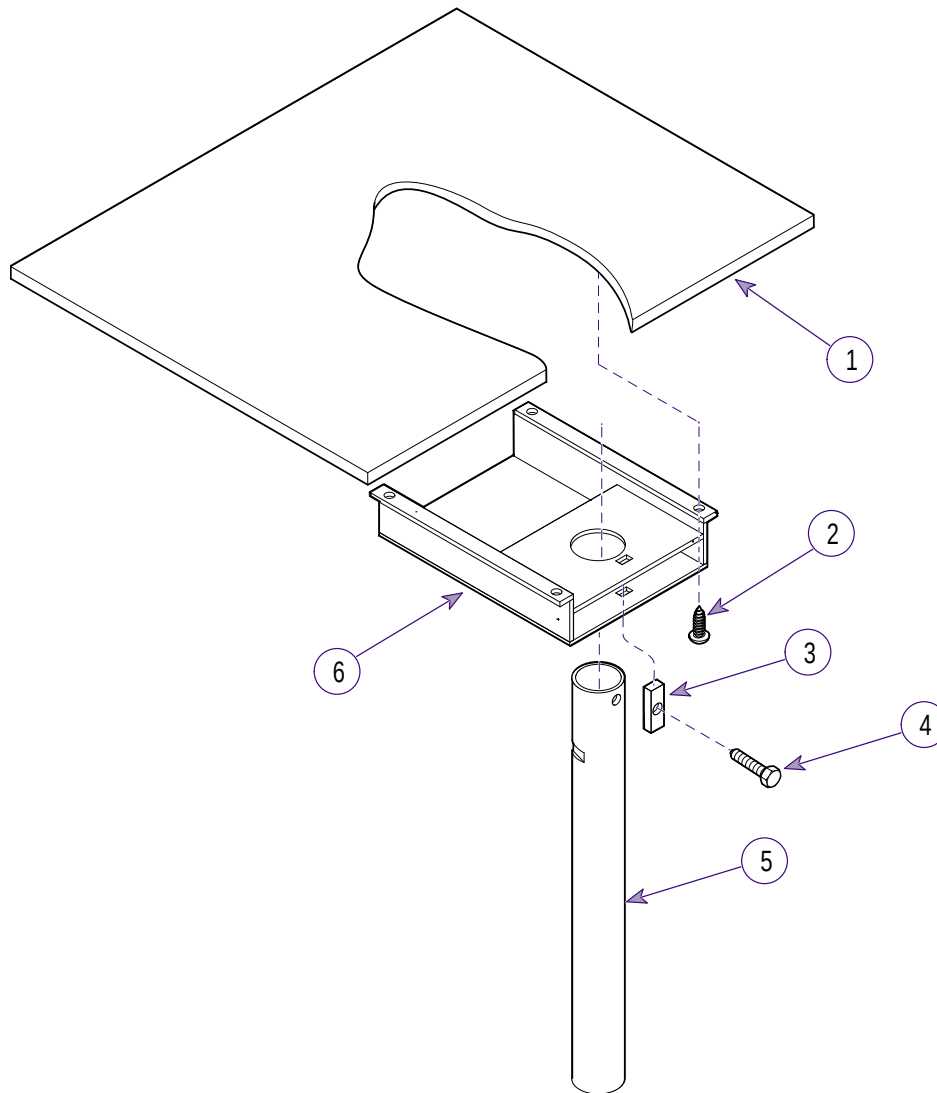
Applies to units with "UA"& "UK" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121504	Cart Top.....	1	5		Refer to " Cart Assembly Base Components ".....	Ref
2	121077	Screw	6	6	121070-2	Block	1
3	152465-1	Support Weldment.....	1				
4	106657	Screw	1				

Always Specify Model & Serial Number

Mobile Work Surface Top Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

AF211300

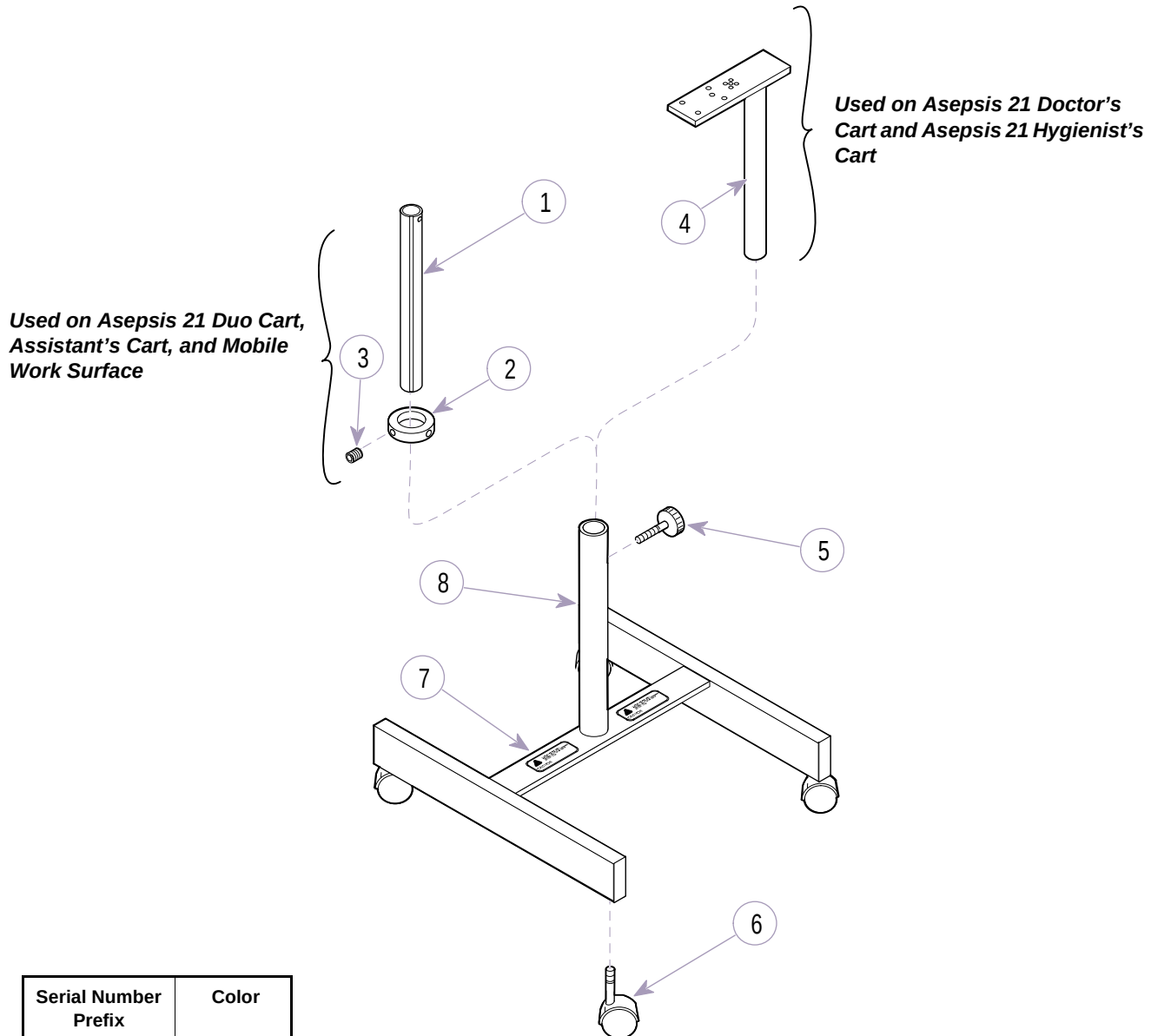
Applies to units with "PM" serial number prefix

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	063-9942-00	Cart Top.....	1	5		Refer to " Cart Assembly Base Components).....	Ref
2	121077	Screw	6	6	121070-2	Block	1
3	152465-50	Support Weldment.....	1				
4	106657	Screw	1				

Always Specify Model & Serial Number

Cart Assembly Base Components

SECTION VI PARTS LIST



Serial Number Prefix	Color
UA, UK	sterling grey
PM	pebble grey

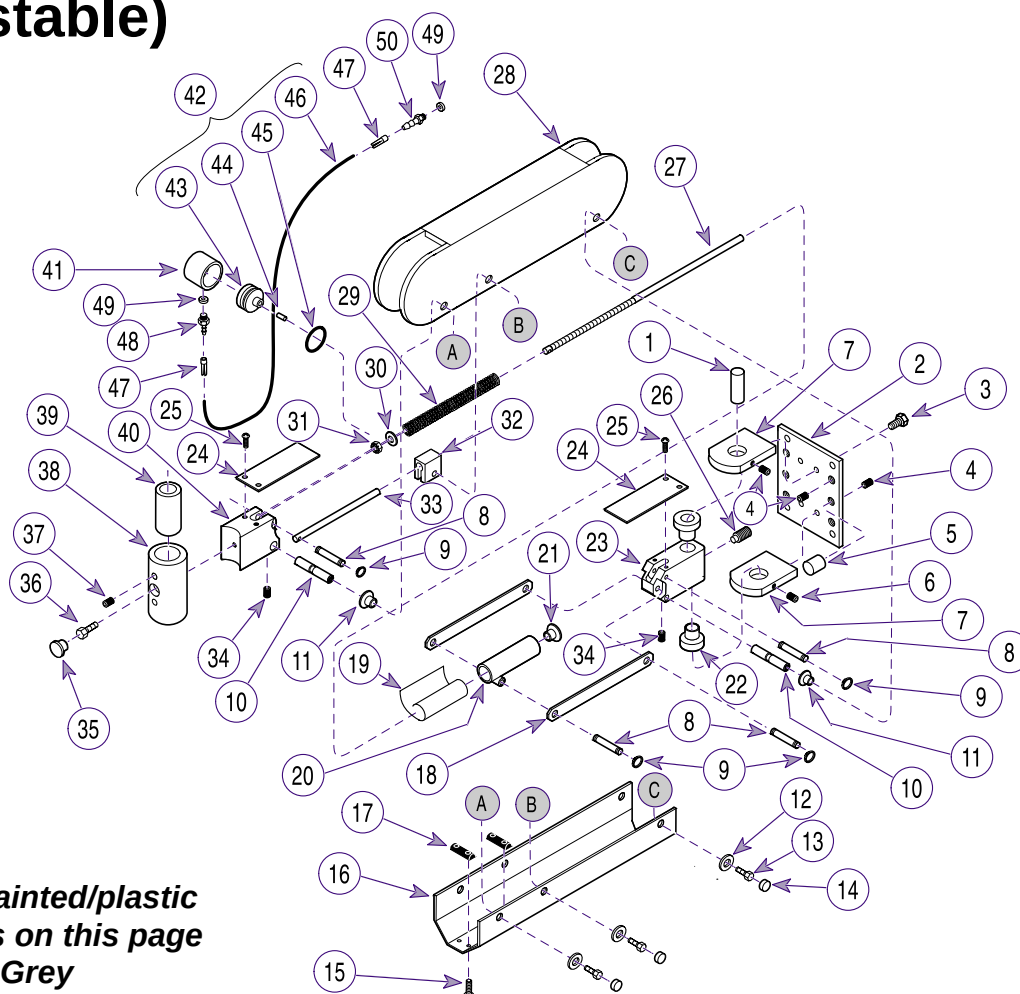
AF210900

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121063-2	Support Tube.....	1	8		Base Weldment (<i>Duo Cart, Assistant's Cart, & Mobile Work Surface</i>)	
2	121234-1	Collar (sterling grey).....	1		152118-1	(sterling grey).....	1
	121234-50	Collar (pebble grey).....	1		152118-50	(pebble grey).....	1
3	106753	Set Screw.....	2			Base Weldment (<i>Doctor's Cart, & Hygienist's Cart</i>)	
4	152185	Support Tube.....	1		151766	(sterling grey).....	1
5	119759	Knob.....	1		151766-50	(pebble grey).....	1
6	121893	Caster.....	4				
7	TP1201	Caution Label.....	2				

Always Specify Model & Serial Number

Duo Arm Assembly (Adjustable)

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

KA924700

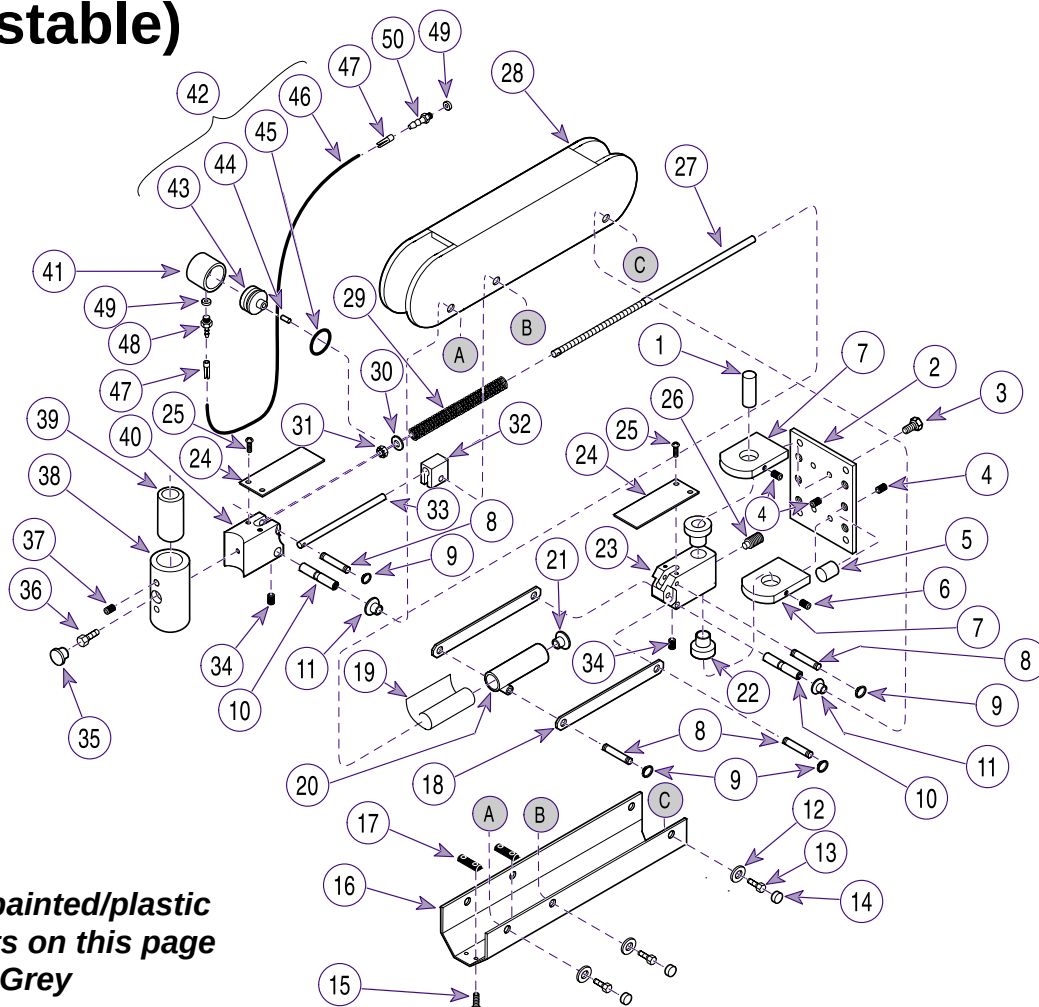
Applies to units with "UA" & "UC" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121452	Rear Pivot Pin.....	1	26	121486	Set Screw.....	1
2	121451-1	Back Plate.....	1	27	121442-2	Spring Rod.....	1
3	112659	Screw.....	4	28	152418-1	Arm Housing.....	1
4	121488	Set Screw.....	6	29	121449	Spring.....	1
5	121471	Arm Stop.....	2	30	120274	Washer.....	1
6	121488	Set Screw.....	2	31	121455	Nut.....	1
7	121450-1	Mounting Plate.....	2	32	121485-2	Brake Shoe.....	1
8	121438-2	Support Pin.....	4	33	121441	Brake Rod.....	1
9	121454	Retaining Ring.....	8	34	122161	Set Screw.....	1
10	121439	Pivot Pin.....	2	35	121576-1	Hole Plug.....	1
11	121447	Bearing.....	4	36	107995	Screw.....	1
12	121481	Screw Base.....	6	37	121482	Set Screw.....	2
13	120950	Screw.....	6	38	121395-1	Bearing Hub.....	1
14	121480	Screw Cover.....	6	39	121448	Bearing.....	1
15	120612	Screw.....	4	40	121434-1	Front Pivot.....	1
16	122820-1	Duo Arm Cover.....	1	41	121436-2	Brake Cylinder.....	1
17	121475	Umbilical Bearing.....	2	42	152435	Brake Piston Assembly.....	1
18	121437-1	Support Rod.....	2	43	• 121476	• Brake Piston.....	1
19	121459	Spring Tube Liner.....	1	44	• 121477	• Piston Plunger.....	1
20	152419-1	Spring Tube Assembly.....	1	45	• 121484	• O-Ring.....	1
21	121445	Spring Tube Bushing.....	1	46	• 177552	• Tubing, Green.....	1
22	117086	Bearing.....	2	47	117479	Uni-Clamp, 1/8" O.D.....	2
23	121435-1	Rear Pivot.....	1	48	109714	Fitting.....	1
24	121458	Arm Cover.....	2	49	117660	Gasket.....	2
25	121489	Screw.....	4	50	117481	Fitting.....	1

Always Specify Model & Serial Number

Duo Arm Assembly (Adjustable)

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

KA924700

Applies to units with "PJ" & "PM" serial number prefix

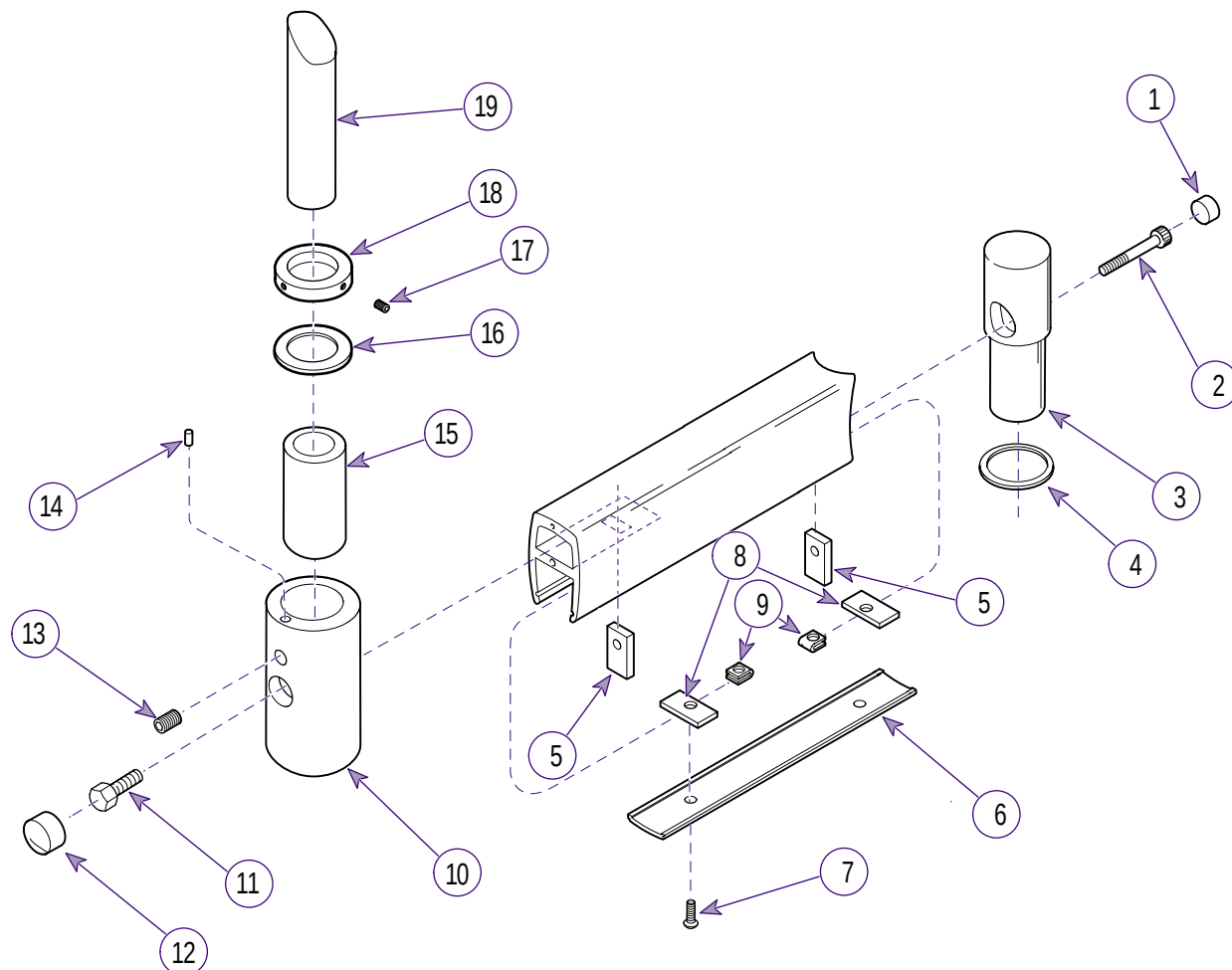
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121452-50	Rear Pivot Pin.....	1	26	121486	Set Screw	1
2	121451-50	Back Plate.....	1	27	121442-2	Spring Rod	1
3	112659	Screw.....	4	28	152418-50	Arm Housing	1
4	121488	Set Screw	6	29	121449	Spring.....	1
5	121471	Arm Stop.....	2	30	120274	Washer	1
6	121488	Set Screw	2	31	121455	Nut.....	1
7	121450-50	Mounting Plate.....	2	32	121485-2	Brake Shoe.....	1
8	121438-2	Support Pin.....	4	33	121441	Brake Rod	1
9	121454	Retaining Ring	8	34	122161	Set Screw	1
10	121439	Pivot Pin.....	2	35	121576-50	Hole Plug.....	1
11	121447	Bearing	4	36	107995	Screw	1
12	121481	Screw Base.....	6	37	121482	Set Screw.....	2
13	120950	Screw.....	6	38	121395-50	Bearing Hub	1
14	121480-01	Screw Cover	6	39	121448	Bearing.....	1
15	120612	Screw.....	4	40	121434-50	Front Pivot	1
16	122820-50	Duo Arm Cover	1	41	121436-2	Brake Cylinder.....	1
17	121475	Umbilical Bearing.....	2	42	152435	Brake Piston Assembly	1
18	121437-50	Support Rod	2	43	• 121476	• Brake Piston	1
19	121459	Spring Tube Liner.....	1	44	• 121477	• Piston Plunger	1
20	152419-50	Spring Tube Assembly	1	45	• 121484	• O-Ring	1
21	121445	Spring Tube Bushing.....	1	46	• 177552	• Tubing, Green	1
22	117086	Bearing	2	47	117479	Uni-Clamp, 1/8" O.D.	2
23	121435-50	Rear Pivot.....	1	48	109714	Fitting	1
24	121458-01	Arm Cover.....	2	49	117660	Gasket	2
25	121489	Screw.....	4	50	117481	Fitting	1

Always Specify Model & Serial Number

Duo Arm Pivot Joint Assembly

SECTION VI

PARTS LIST



Serial Number Prefix	Color
UA, UC	sterling grey
PJ, PM	pebble grey

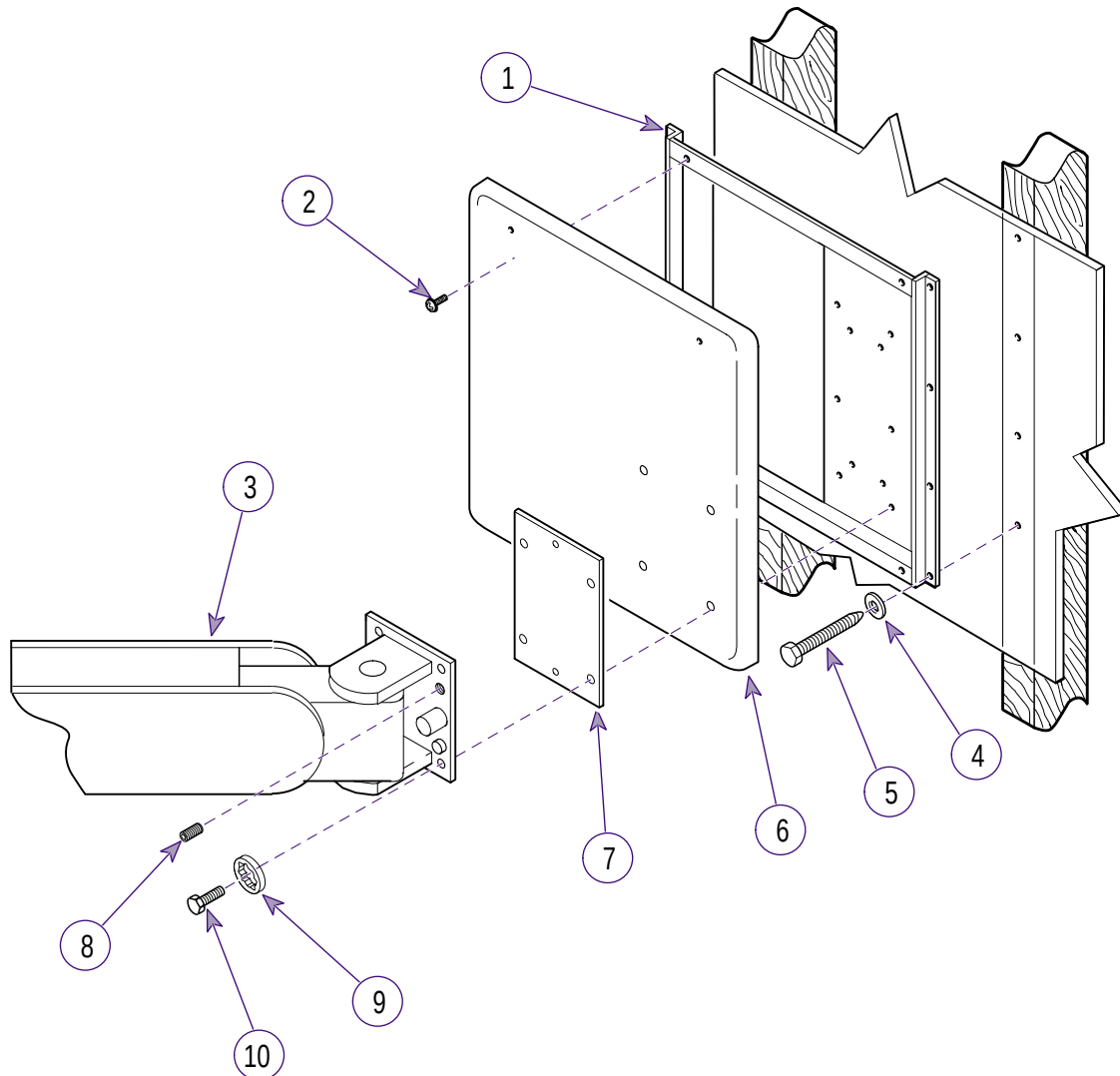
KA924800

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121472-1	Hole Plug (<i>sterling grey</i>)	1	10	121391-1	Bearing Hub (<i>sterling grey</i>)	1
	121472-50	Hole Plug (<i>pebble grey</i>).....	1		121391-50	Bearing Hub (<i>pebble grey</i>).....	1
2	117519	Screw	1	11	121577	Screw	1
3	121408-1	Duo Hub (<i>sterling grey</i>).....	1	12	121576-1	Hole Plug (<i>sterling grey</i>).....	1
	121408-50	Duo Hub (<i>pebble grey</i>)	1		121576-50	Hole Plug (<i>pebble grey</i>)	1
4	121479	Washer (<i>sterling grey</i>).....	1	13	121482	Set Screw	1
	121479-01	Washer (<i>pebble grey</i>)	1	14	121506	Dowel Pin	1
5	117407-2	Plate Nut, Post.....	2	15	121390	Bearing.....	1
6	122099-1	Fixed Arm Cover (<i>sterling grey</i>)	1	16	121419	Washer (<i>sterling grey</i>)	1
	122099-50	Fixed Arm Cover (<i>pebble grey</i>)	1		121419-01	Washer (<i>pebble grey</i>).....	1
7	121980-1	Screw (<i>sterling grey</i>).....	2	17	122161	Set Screw	2
	121980-50	Screw (<i>pebble grey</i>)	2	18	121394-1	Duo Unit Collar (<i>sterling grey</i>)	1
8	122098-2	Cover Mount	2		121394-50	Duo Unit Collar (<i>pebble grey</i>)	1
9	121972	U-Fastener	2	19	121393-2	Chrome Plated Tube Support.....	1

Always Specify Model & Serial Number

Duo Unit Wall Mount Kit

SECTION VI PARTS LIST



Serial Number Prefix	Color
UA, UK	sterling grey
PM	pebble grey

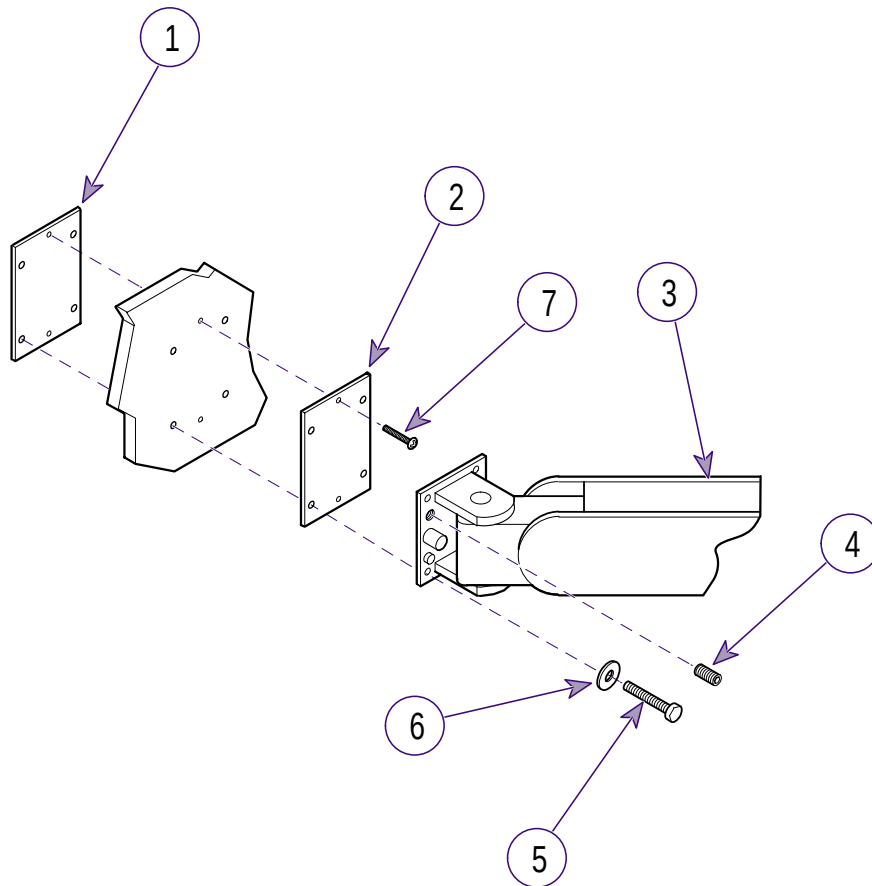
AF21370

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152469-1	Wall Mount Frame (<i>sterling grey</i>)	1	6	121646	LH Wall Mount Cover (<i>sterling grey</i>)	1
	152469-50	Wall Mount Frame (<i>pebble grey</i>)	1		121646-01	LH Wall Mount Cover (<i>sterling grey</i>)	1
2	120233	Panel Screw (<i>sterling grey</i>)	4	7	121502-1	Arm Support Plate (<i>sterling grey</i>)	1
	120233-50	Panel Screw (<i>pebble grey</i>)	4		121502-50	Arm Support Plate (<i>pebble grey</i>)	1
3		Refer to " Duo Arm Assembly "	Ref	8	121488	Set Screw	4
4	106202	Washer	8	9	C2563	Lock Washer	4
5	101317	Screw	8	10	108850	Screw	4

Always Specify Model & Serial Number

Duo Unit Cabinet Mount Kit

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC	sterling grey
PJ	pebble grey

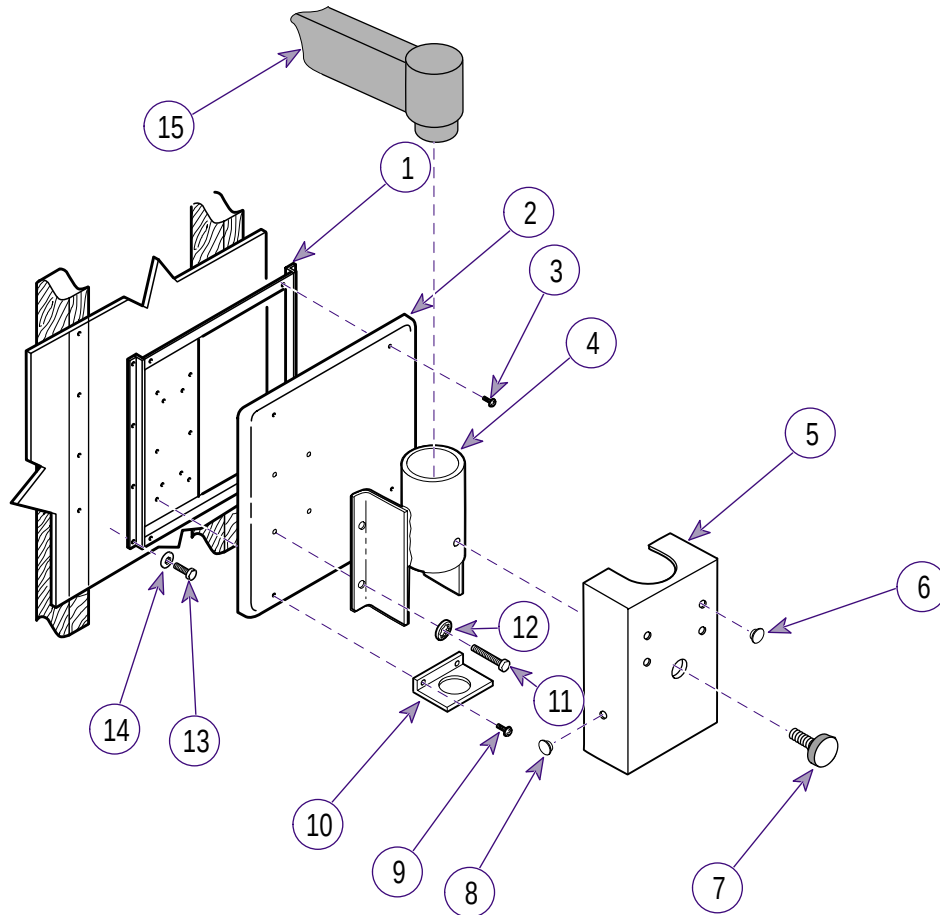
AF214100

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121501-1	Backing Plate (<i>sterling grey</i>)	1	4	121488	Set Screw	4
	121501-50	Backing Plate (<i>pebble grey</i>)	1	5	155463	Washer	4
2	121502-1	Arm Support Plate (<i>sterling grey</i>)	1	6	121124	Screw	4
	121502-50	Arm Support Plate (<i>pebble grey</i>)	1	7	151782	Screw (<i>sterling grey</i>)	2
3		Refer To "Duo Arm Assembly"	Ref		151782-50	Screw (<i>pebble grey</i>)	2

Always Specify Model & Serial Number

Side Delivery Unit Wall Mount Components

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC	sterling grey
PJ	pebble grey

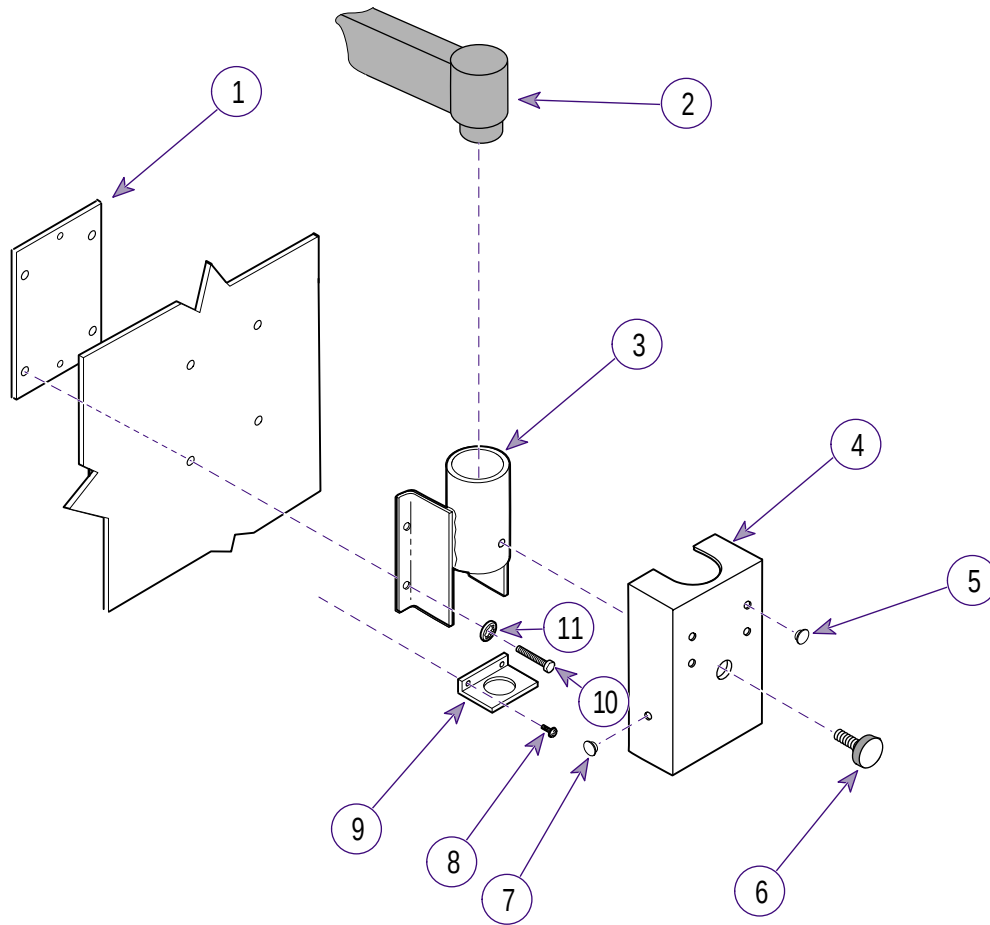
AF213600

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152469-1	Frame (<i>sterling grey</i>)	1	7	149729	Knob	1
	152469-50	Frame (<i>pebble grey</i>)	1	8	120227	3/4" Plug Button (<i>sterling grey</i>)	2
2	121647	Frame Cover (<i>sterling grey</i>)	1		120227-50	3/4" Plug Button (<i>pebble grey</i>)	2
	121647-01	Frame Cover (<i>pebble grey</i>)	1	9	C4522	Screw	2
3	120233	Screw (<i>sterling grey</i>)	4	10	120794-1	Strain Relief Bracket (<i>sterling grey</i>)	1
	120233-50	Screw (<i>pebble grey</i>)	4		120794-50	Strain Relief Bracket (<i>pebble grey</i>)	1
4	149959	Bearing Assembly (<i>sterling grey</i>)	1	11	108850	Hex Screw	4
	149959-01	Bearing Assembly (<i>pebble grey</i>)	1	12	C2563	Lockwasher	6
5	118118-1	Bearing Cover (<i>sterling grey</i>)	1	13	101317	Lag Screw	8
	118118-50	Bearing Cover (<i>pebble grey</i>)	1	14	106202	Washer	8
6	120236	1/2" Plug Button (<i>sterling grey</i>)	4	15		Refer to "Fixed Arm Assembly"	Ref
	120236-50	1/2" Plug Button (<i>pebble grey</i>)	4				

Always Specify Model & Serial Number

Side Delivery Unit Cabinet Mount Components

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC	sterling grey
PJ	pebble grey

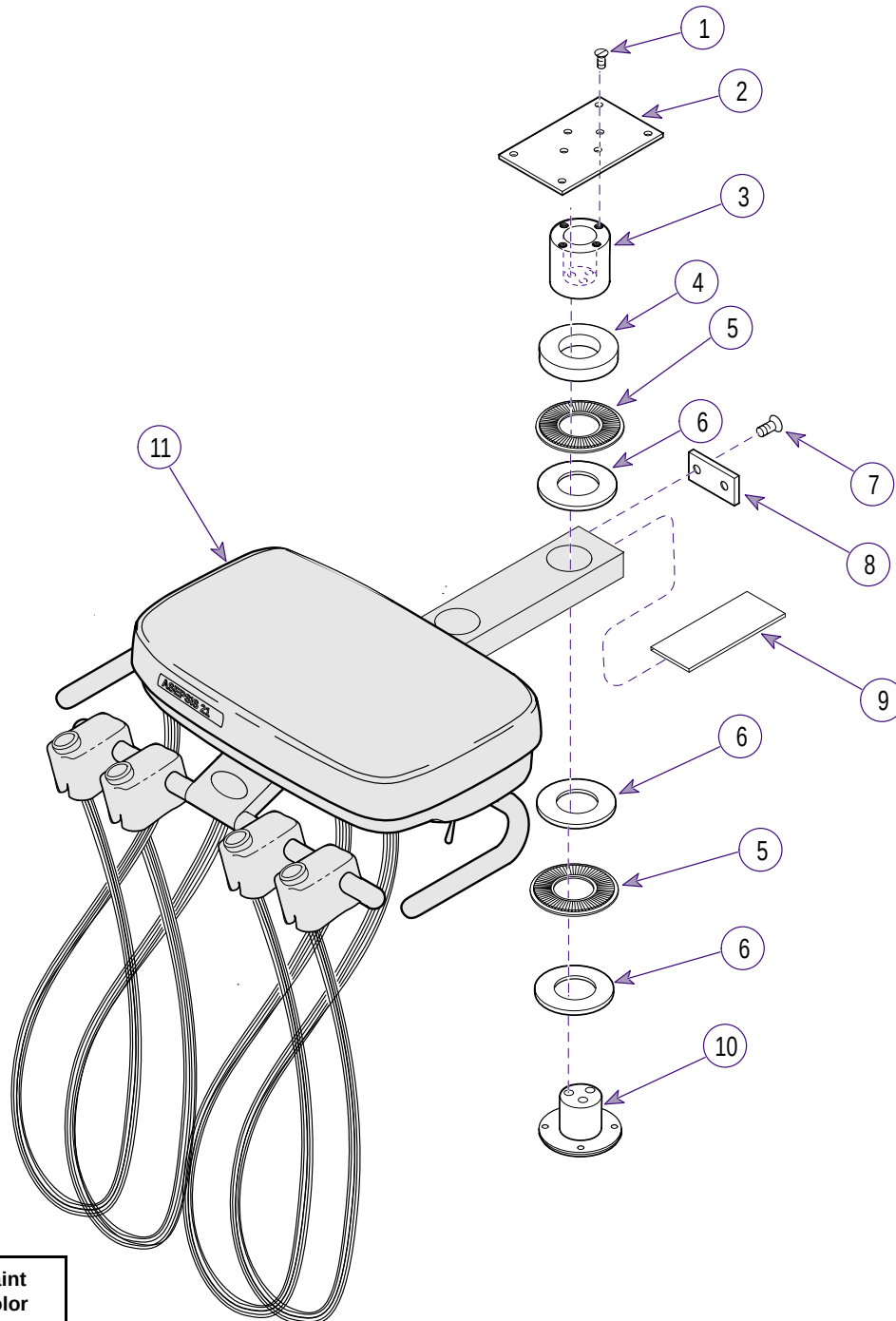
AF213800

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121501-1	Backing Plate (<i>sterling grey</i>)	1	6	149729	Knob	1
	121501-50	Backing Plate (<i>pebble grey</i>)	1	7	120227	3/4\" Plug Button (<i>sterling grey</i>)	2
2		Refer to " Fixed Arm Assembly "	Ref		120227-50	3/4\" Plug Button (<i>pebble grey</i>)	2
3	149959	Bearing Assembly (<i>sterling grey</i>)	1	8	C4522	Screw	2
	149959-01	Bearing Assembly (<i>pebble grey</i>)	1	9	120794-1	Strain Relief Bracket (<i>sterling grey</i>)	1
4	118118-1	Bearing Cover (<i>sterling grey</i>)	1		120794-50	Strain Relief Bracket (<i>pebble grey</i>)	1
	118118-50	Bearing Cover (<i>pebble grey</i>)	1	10	108850	Hex Screw	4
5	120236	1/2\" Plug Button (<i>sterling grey</i>)	4	11	C2563	Lockwasher	4
	120236-50	1/2\" Plug Button (<i>pebble grey</i>)	4				

Always Specify Model & Serial Number

Rear Delivery Unit Cabinet Mount Components

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC	sterling grey
PJ	pebble grey

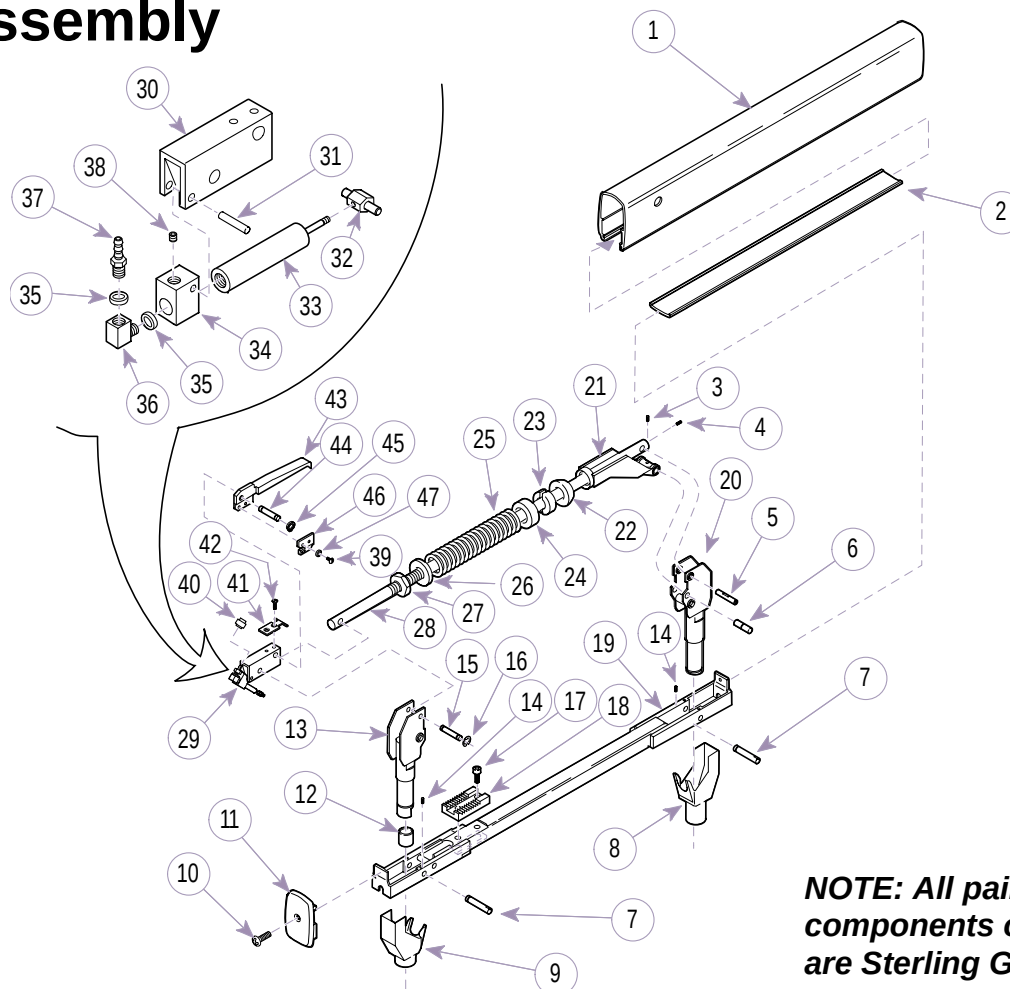
AF213500

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	P12577	Screw	4	7	121604	Screw (<i>sterling</i>)	2
2	121487-1	Mounting Plate (<i>sterling</i>)	1		121604-50	Screw (<i>pebble</i>)	2
	121487-50	Mounting Plate (<i>pebble</i>)	1	8	120881-1	End Cap (<i>sterling</i>)	1
3	121200-1	Spacer (<i>sterling</i>)	1		120881-50	End Cap (<i>pebble</i>)	1
	121200-50	Spacer (<i>pebble</i>)	1	9	121067-1	Bottom Cover (<i>sterling</i>)	1
4	121074	Race Bearing	1		121067-50	Bottom Cover (<i>pebble</i>)	1
5	121072	Thrust Bearing	2	10	121071-2	Stud	1
6	121073	Race Bearing	3	11		Refer to " Asepsis 21 Delivery Unit ") ...Ref	

Always Specify Model & Serial Number

Square Air Lock Flex Arm Assembly

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

AF208100

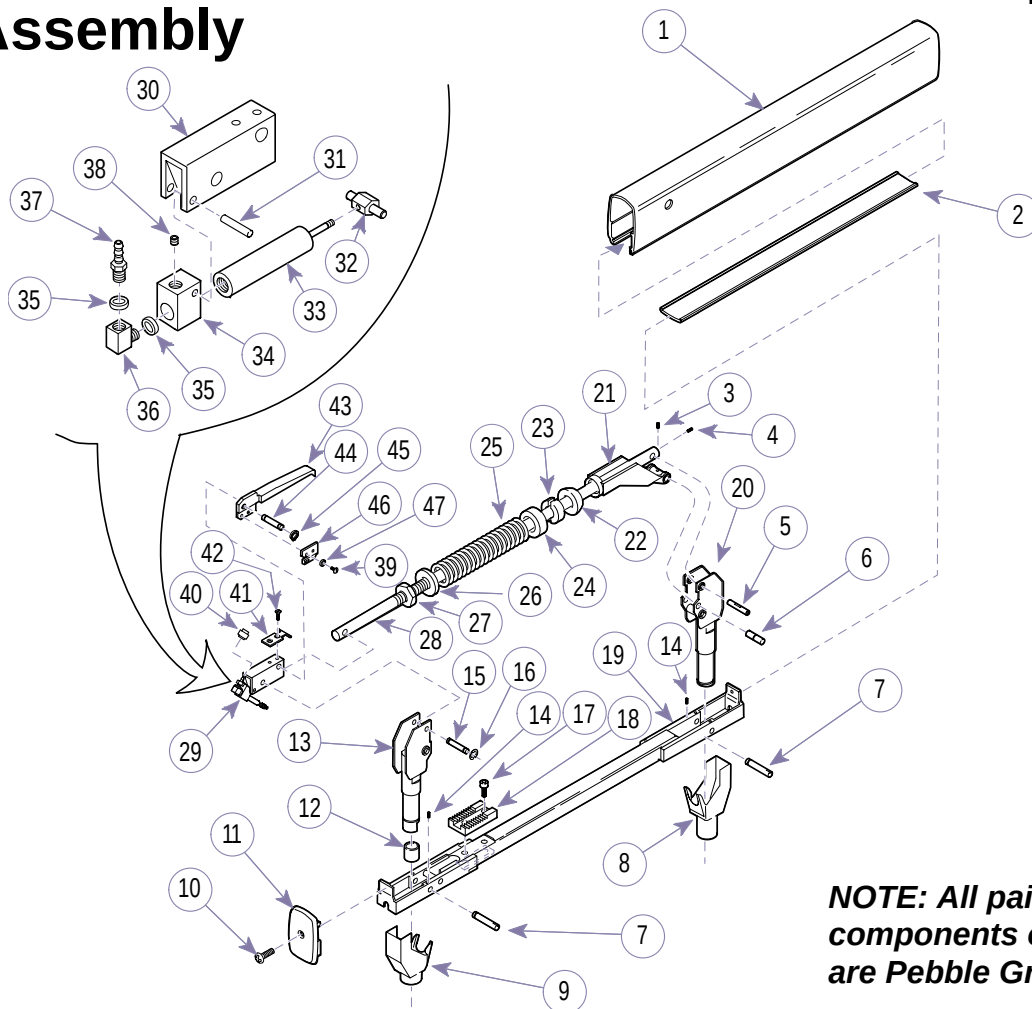
Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	120866-1	Flex Arm Cover	1	26	115837	Washer	1
2	120868-1	Flex Arm Bottom Cover	1	27	C1079	Nut	1
3	117807	Set Screw (Cone Point)	1	28	117436-2	Spring Rod	1
4	C5176	Set Screw (Flat Point)	1	29	149931	Air Cylinder Assembly (Includes items 30 thru 38)	1
5	117406-3	Pin	1	30	• 118069-2	• Pawl Mount	1
6	117405-3	Pin	1	31	• 121506	• Dowel Pin	1
7	117401-3	Pin	2	32	• 117409-2	• Air Cylinder Pin	1
8	117635	Mount Assembly Cover - Fixed	1	33	• 117510	• Air Cylinder	1
9	117637	Mount Assembly Cover - Movable	1	34	• 118072	• Air Cylinder Mount	1
10	121508-1	Screw	1	35	• 117660	• Gasket	2
11	120867-1	Flex Arm End Cap	1	36	• 113295	• Elbow Fitting	1
12	117410	Sleeve	1	37	• 109714	• Barbed Fitting	1
13	149500-2	Flex Arm Mount Assembly - Movable	1	38	• P11836	• Set Screw	1
14	117703	Set Screw (Cone Point)	4	39	103205	Screw	4
15	118154-3	Pin	1	40	117479	Uni-Clamp	1
16	156253	Retaining Ring	2	41	118073•	Stop Plate	1
17	117558	Screw	2	42	118100	Screw	2
18	117577	Latch Block	1	43	117576-2	Lock Pawl - Right	1
19	149501-2	Flex Arm Tube Assembly	1		117575-2	Lock Pawl - Left	1
20	149498-2	Flex Arm Mount Assembly - Fixed	1	44	118154-3	Pin	1
21	149587-2	Link Assembly	1	45	C5082	Retaining Ring	2
22	117418	Aligning Washer	1	46	118070-2	Pawl Pivot Bracket - Right (shown)	1
23	117744	Friction Pad	2		118071-2	Pawl Pivot Bracket - Left (not shown)	1
24	117612-2	Sleeve	1	47	P11777	Washer	4
25	117509	Compression Spring	1				

Always Specify Model & Serial Number

Square Air Lock Flex Arm Assembly

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

AF208100

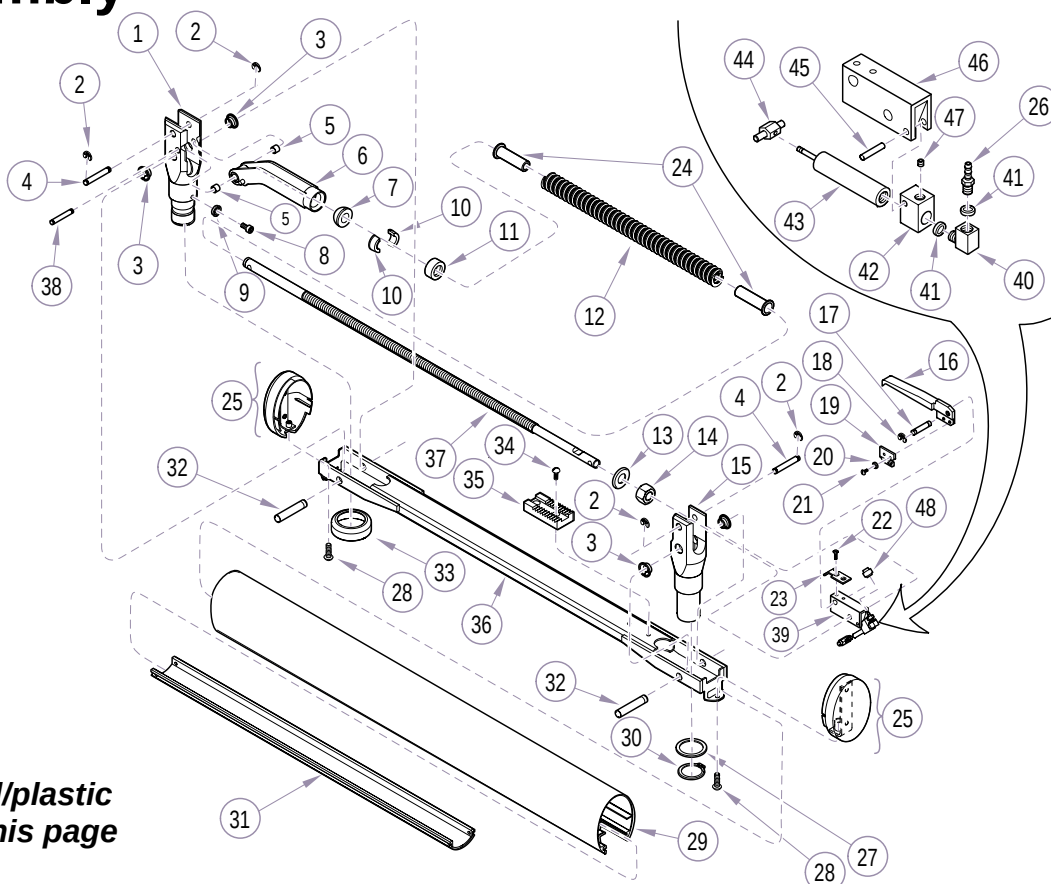
Applies to units w/ serial numbers PJ1000 thru PJ1869 & PK1000 thru PK1041

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	120866-50	Flex Arm Cover	1	26	115837	Washer	1
2	120868-50	Flex Arm Bottom Cover	1	27	C1079	Nut	1
3	117807	Set Screw (Cone Point)	1	28	117436-2	Spring Rod	1
4	C5176	Set Screw (Flat Point)	1	29	149931	Air Cylinder Assembly (Includes items 30 thru 38)	1
5	117406-3	Pin	1	30	• 118069-2	• Pawl Mount	1
6	117405-3	Pin	1	31	• 121506	• Dowel Pin	1
7	117401-3	Pin	2	32	• 117409-2	• Air Cylinder Pin	1
8	117635-01	Mount Assembly Cover - Fixed	1	33	• 117510	• Air Cylinder	1
9	117637-01	Mount Assembly Cover - Movable	1	34	• 118072	• Air Cylinder Mount	1
10	121508-50	Screw	1	35	• 117660	• Gasket	2
11	120867-50	Flex Arm End Cap	1	36	• 113295	• Elbow Fitting	1
12	117410	Sleeve	1	37	• 109714	• Barbed Fitting	1
13	149500-2	Flex Arm Mount Assembly - Movable	1	38	• P11836	• Set Screw	1
14	117703	Set Screw (Cone Point)	4	39	103205	Screw	4
15	118154-3	Pin	1	40	117479	Uni-Clamp	1
16	156253	Retaining Ring	2	41	118073•	Stop Plate	1
17	117558	Screw	2	42	118100	Screw	2
18	117577	Latch Block	1	43	117576-2	Lock Pawl - Right	1
19	149501-2	Flex Arm Tube Assembly	1		117575-2	Lock Pawl - Left	1
20	149498-2	Flex Arm Mount Assembly - Fixed	1	44	118154-3	Pin	1
21	149587-2	Link Assembly	1	45	C5082	Retaining Ring	2
22	117418	Aligning Washer	1	46	118070-2	Pawl Pivot Bracket - Right (shown)	1
23	117744	Friction Pad	2		118071-2	Pawl Pivot Bracket - Left (not shown)	1
24	117612-2	Sleeve	1	47	P11777	Washer	4
25	117509	Compression Spring	1				

Always Specify Model & Serial Number

Oval Air Lock Flex Arm Assembly

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

KA992502i

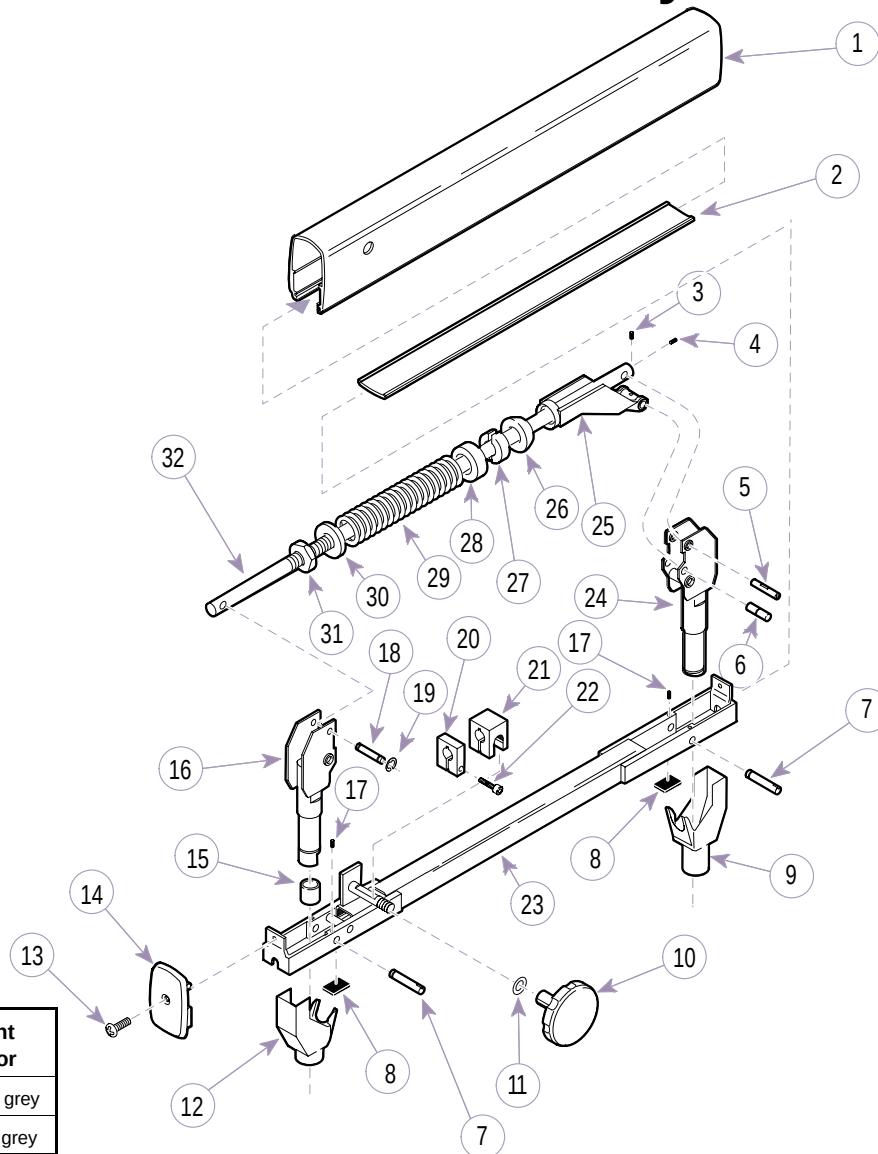
Applies to units w/ serial numbers PJ1870 & PK1042 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	029-2428-00	Flex Arm Assy (Inc. Items 1 thru 39)	1	24	• 057-0644-00	• Flex Arm Spring Spacer	2
1	• 052-0357-50	• Flex Arm Fixed Mount.....	1	25	• 029-2721-00	• End Cap Assembly (includes mtg. bracket & nutsert).....	2
2	• 042-0065-00	• Klipring	4	26	• 109714	• Barbed Fitting	1
3	• 016-0392-13	• DU Flange Bearing	4	27	• 053-1179-00	• Thrust Washer	1
4	• 057-0618-00	• Clevis Pin.....	2	28	• 040-0006-27	• Screw	2
5	• 016-0076-06	• Bushing.....	6	29	• 021-0038-50	• Flex Arm Cover	1
6	• 030-1245-00	• Spring Link Assembly	1	30	• 042-0056-04	• External Retaining Ring.....	1
7	• 117418	• Aligning Washer.....	1	31	• 021-0039-50	• Flex Arm Extrusion	1
8	• 040-0010-87	• Bolt.....	2	32	• 057-0608-00	• Flex Arm Pivot Pin.....	2
9	• 053-1187-00	• Screw Base Cover	2	33	• 053-1218-00	• Joint Cover	1
10	• 117744	• Friction Pad.....	2	34	• 040-0010-98	• Screw	2
11	• 117612-2	• Friction Washer Sleeve	1	35	• 117577	• Latch Block.....	1
12	• 025-0070-00	• Compression Spring	1	36	• 030-1250-50	• Flex Arm Tube Assembly	1
13	• 045-0001-107	• Washer.....	1	37	• 051-0906-00	• Spring Rod	1
14	• C1079	• Nut	1	38	• 057-0620-00	• Knurled Pivot Pin.....	1
15	• 052-0358-50	• Flex Arm Mount	1	39	• 149931	• Air Cyl. Assy. (incl. items 40 thru 47)...	2
16	• 117576-2	• Lock Pawl (Right Side)	1	40	• 113295	• Elbow Fitting	1
	• 117575-2	• Lock Pawl (Left Side).....	1	41	• 117660	• Gasket	2
17	• 057-0621-00	• Latch Pawl Pivot Pin	1	42	• 118072	• Air Cylinder Mount	1
18	• 042-0065-00	• Klipring	2	43	• 117510	• Air Cylinder	1
19	• 118070-2	• Pawl Pivot Bracket (Left Side shown) .	1	44	• 117409-2	• Air Cylinder Pin.....	1
	• 118071-2	• Pawl Pivot Bracket (Right Side)	1	45	• 121506	• Dowel Pin.....	1
20	• P11777	• Washer.....	4	46	• 118069-2	• Pawl Mount	1
21	• 103205	• Screw	4	47	• P11836	• Set Screw	1
22	• 118100	• Screw	2	48	117479	Uni-Clamp	1
23	• 118073-2	• Stop Plate	1				

Always Specify Model & Serial Number

Manual Lock Flex Arm Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK	pebble grey

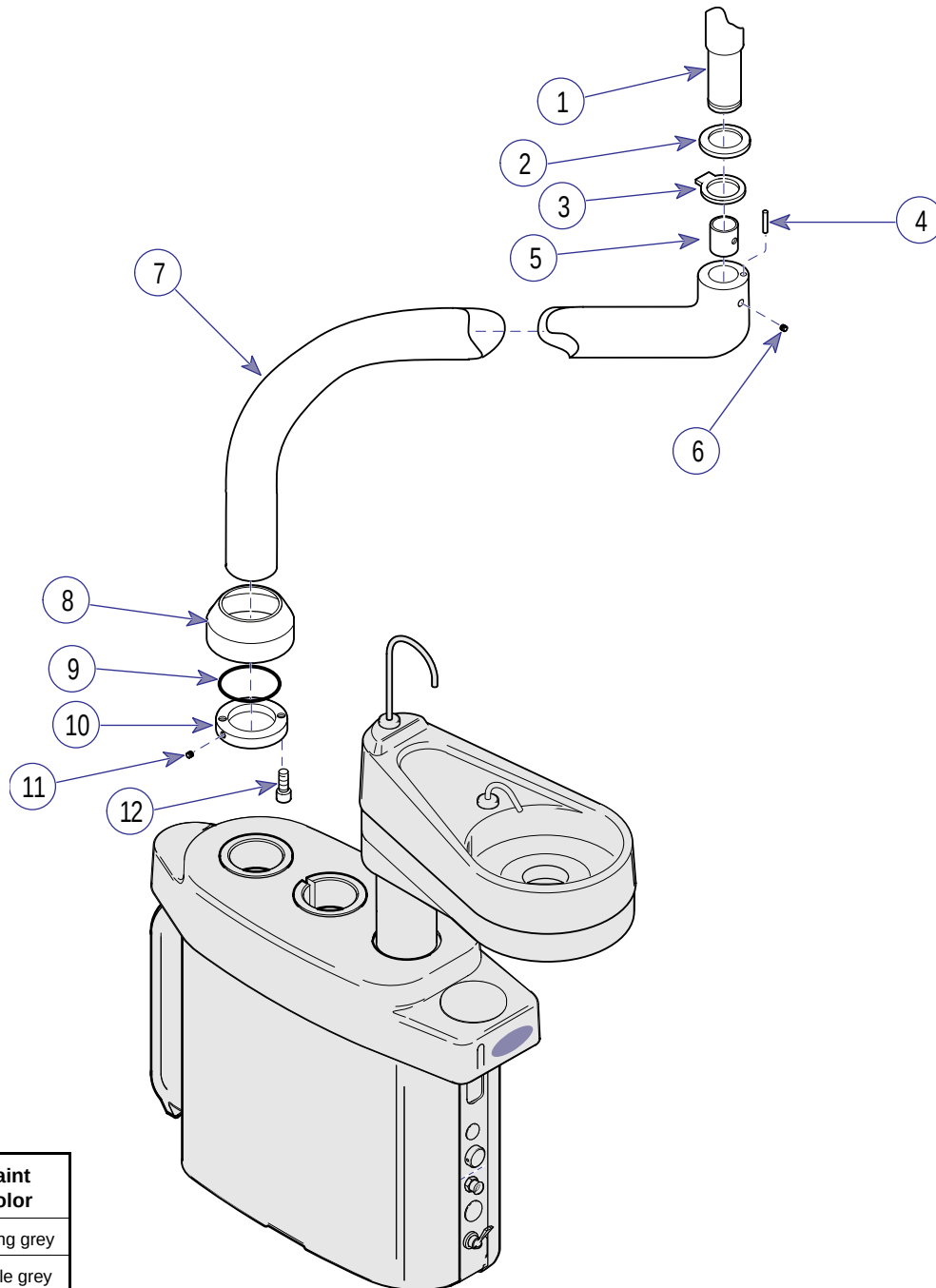
AF208500

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121064-1	Flex Arm Cover (<i>sterling</i>)	1	16	149500-2	Flex Arm Mount - Movable	1
	121064-50	Flex Arm Cover (<i>pebble</i>)	1	17	117703	Screw	4
2	121087-1	Flex Arm Bottom Cover (<i>sterling</i>)	1	18	118154-3	Spring Rod Pin	1
	121087-50	Flex Arm Bottom Cover (<i>pebble</i>)	1	19	156253	Retaining Ring	2
3	117807	Set Screw (Cone Point)	1	20	121125	Flex Arm Stop	1
4	C5176	Set Screw (Flat Point)	1	21	121085	Friction Block	1
5	117406-3	Spring Rod Pin	1	22	120154	Screw	1
6	117405-3	Link Assembly Pin	1	23	152152-1	Flex Arm Tube Assembly (<i>sterling</i>)	1
7	117401-3	Tube Pin	2		152152-50	Flex Arm Tube Assembly (<i>pebble</i>)	1
8	275479	Weatherstrip	0.18 ft.	24	149498-2	Flex Arm Mount - Fixed	1
9	117635	Fixed Mount Cover (<i>sterling</i>)	1	25	149957-1	Spring Link Assembly (<i>sterling</i>)	1
	117635-01	Fixed Mount Cover (<i>pebble</i>)	1		149957-50	Spring Link Assembly (<i>pebble</i>)	1
10	121086-1	Friction Knob (<i>sterling</i>)	1	26	117418	Aligning Washer	1
	121086-50	Friction Knob (<i>pebble</i>)	1	27	117744	Friction Pad	2
11	106202	Washer	1	28	117612-2	Sleeve	1
12	117637	Movable Mount Cover (<i>sterling</i>)	1	29	118110	Compression Spring	1
	117637-01	Movable Mount Cover (<i>pebble</i>)	1	30	115837	Washer	1
13	121508-1	Screw (<i>sterling</i>)	1	31	C1079	Nut	1
	121508-50	Screw (<i>pebble</i>)	1	32	118025-2	Rod Spring	1
14	120867-1	Flex Arm End Cap (<i>sterling</i>)	1	33	185171	Magnalube (not shown)	AR
	120867-50	Flex Arm End Cap (<i>pebble</i>)	1	34	042-0024-00	Loctite* 242 (not shown)	AR
15	117410	Sleeve	1				

Always Specify Model & Serial Number

Delivery Unit Arm Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PL, PK	pebble grey

AF213200

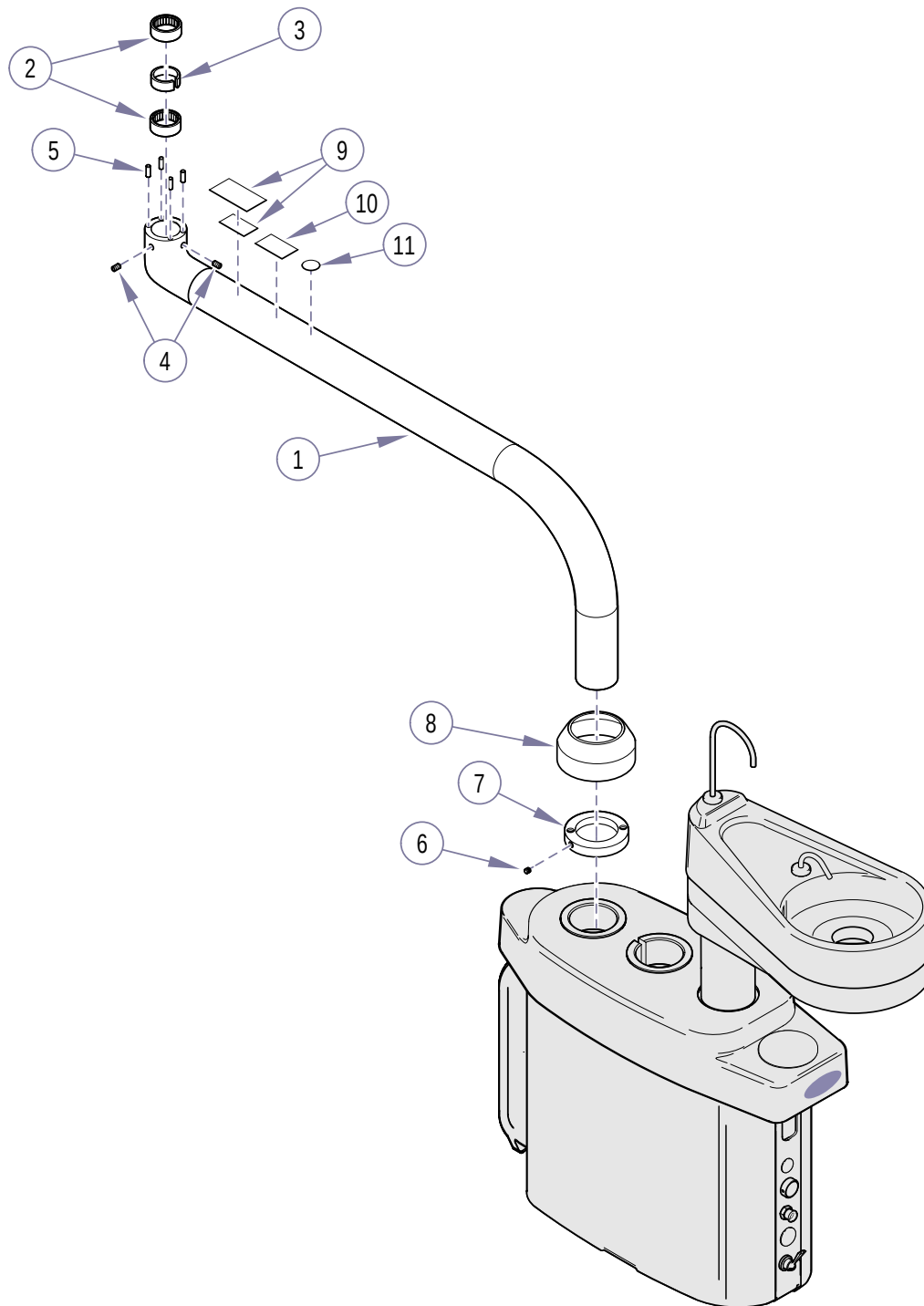
Applies to all units with "UA", "UC", "UK", & "UW" serial number prefixes and units w/ serial numbers PJ1000 thru PJ1869 & PK1000 thru PK1041

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to: "Air Lock Flex Arm Assembly" Ref "Manual Lock Flex Arm Assembly" .. Ref		7	153105-1	Unit Arm (<i>sterling</i>)	1
2	122308	Cover Washer	1		153105-50	Unit Arm (<i>pebble</i>)	1
3	121677-2	Stop Washer	1	8	122338-1	Trim Ring (<i>sterling</i>)	1
4	122348	Stop Pin	1		122338-50	Trim Ring (<i>pebble</i>)	1
5	122454-6	Bearing	1	9	122344	O-ring	1
6	122350	Set Screw	1	10	122337-2	Collar	1
				11	122161	Set Screw	2
				12	120652	Screw	2

Always Specify Model & Serial Number

Delivery Unit Arm Assembly

SECTION VI PARTS LIST



DA110600i

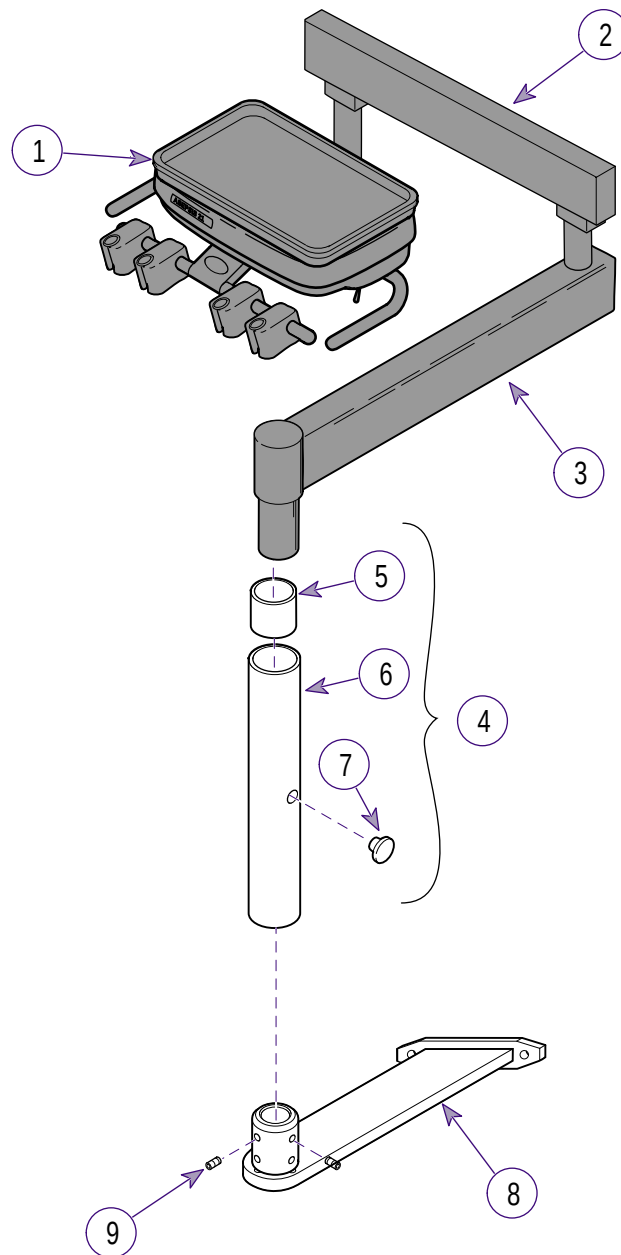
Applies to units w/serial numbers PJ1870 & PK1042 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	029-2857-00	Unit Arm (includes items 2 & 3)	1	7	122337-2	Collar	1
2	• 016-0856-02	• Needle Bearing	2	8	053-1221-00	Trim Ring	1
3	• 016-0837-00	• Bearing Sleeve	1	9		Serial Number Label / Laminate	1
4	040-0010-126	Set Screw	2	10	061-0735-00	ETL Label	1
5	122348	Dowel Pin	4	11	061-0652-00	Type B Label	1
6	122161	Set Screw	2				

Always Specify Model & Serial Number

SLC Unit Mounting Components

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK	pebble grey

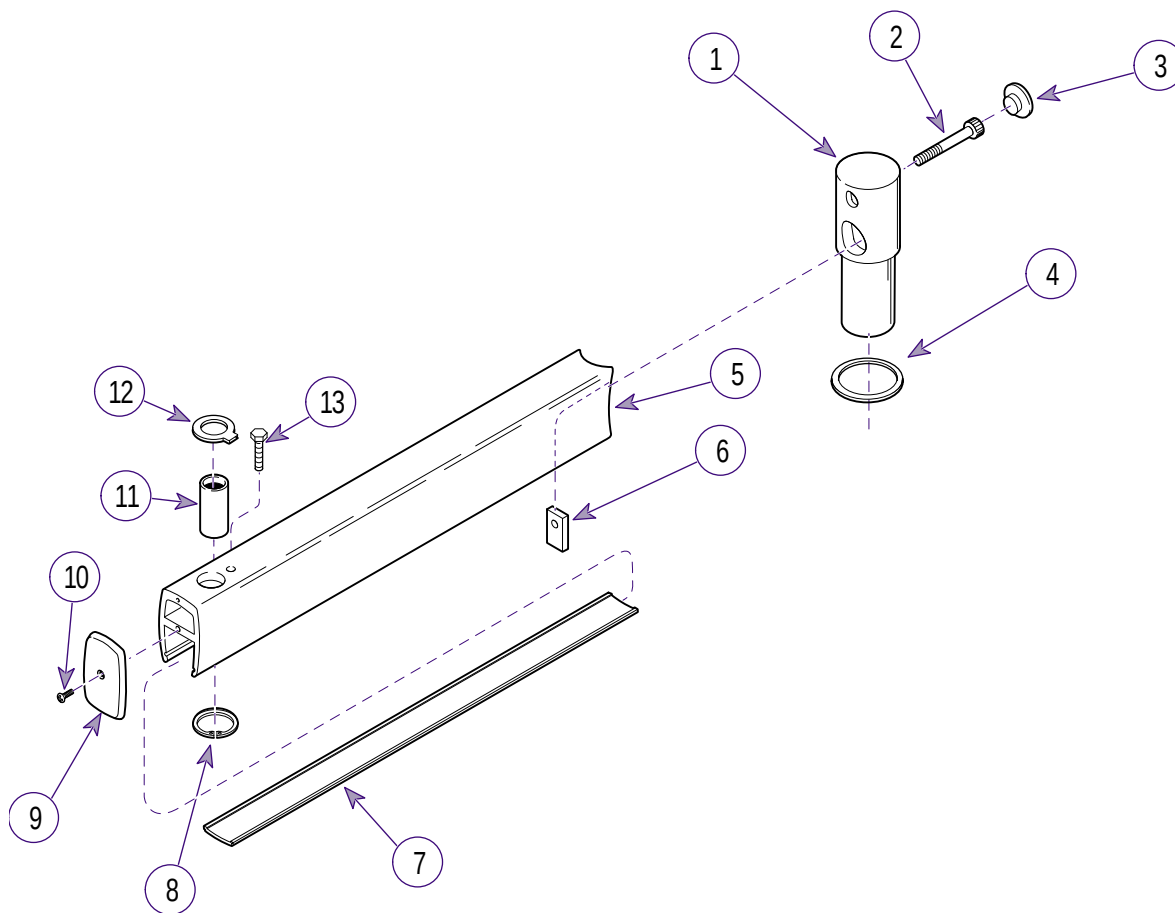
AF212300

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Refer to: "Asepsis 21 Delivery Unit Assy" Ref "Whip-style Delivery Unit Assy" Ref		5	• 117506	• Sleeve Bearing.....	1
2		Refer to: "Air Lock Flex Arm Assembly" Ref "Manual Lock Flex Arm Assembly" .. Ref		6	• 121862-1	• Mounting Post (sterling).....	1
3		Refer to "Fixed Arm Assembly" Ref			• 121862-50	• Mounting Post (pebble)	1
4		Unit Mounting Post Assy. (Includes items 5 thru 7)		7	• 120236	• Hole Plug (sterling).....	1
	152597	(sterling)	1		• 120236-50	• Hole Plug (pebble)	1
	152597-01	(pebble)	1	8		Refer to Console Mounting Bracket (specify chair model).....	Ref
				9	121795	Set Screw (Apply Loctite* 242).....	8

Always Specify Model & Serial Number

Fixed Arm Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

AF213100

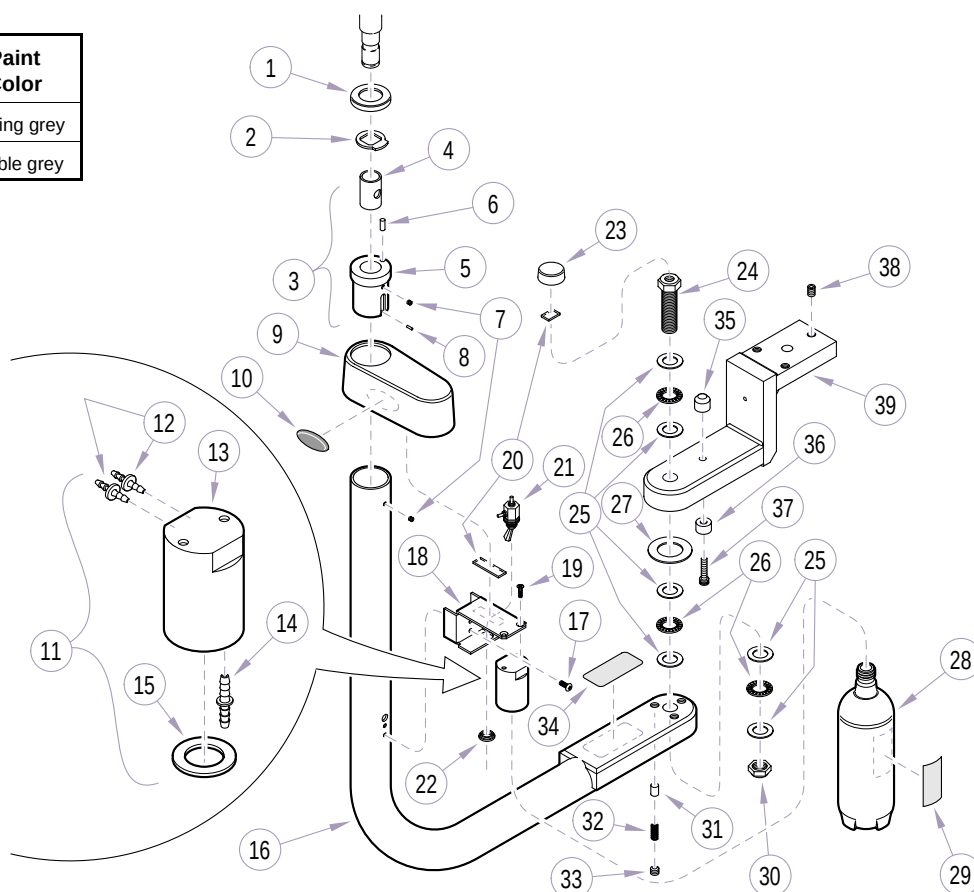
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121709-1	Hub (sterling)	1	7		Fixed Arm Cover [27.0 in. (68.6 cm)]	
	121709-50	Hub (pebble)	1		121707-1	(sterling)	1
2	117519	Socket Head Screw	1		121707-50	(pebble)	1
3		Cap (Seal w/RTV #185057)				Fixed Arm Cover [12.0 in. (30.5 cm)]	
	122198-1	(sterling)	1		122374-1	(sterling)	1
	122198-50	(pebble)	1		122374-50	(pebble)	1
4	121711	Nylon Washer	1	8	110065	Retaining Ring.....	1
5		Fixed Arm [27.0 in. (68.6 cm)]		9	120871-1	End Cap (sterling)	1
	121783-1	(sterling)	1		120871-50	End Cap (pebble)	1
	121783-50	(pebble)	1	10	121508-1	Oval Head Screw (sterling)	1
		Fixed Arm [12.0 in. (30.5 cm)]			121508-50	Oval Head Screw (pebble)	1
	122375-1	(sterling)	1	11	117505	Bearing.....	1
	121783-50	(pebble)	1	12	121677-2	Stop Washer.....	1
6	117407-2	Nut Post Plate.....	1	13	117636	Stop Rotation Screw.....	1
				14	152184	Bumper Kit (not shown- incl. 4 pcs.).....	1

Always Specify Model & Serial Number

LR Unit Arm Assembly

SECTION VI PARTS LIST

Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK	pebble grey



KA922901i

Applies to all units with "UA", "UC", "UK", & "UW" serial number prefixes and units w/ serial numbers PJ1000 thru PJ1869 & PK1000 thru PK1041

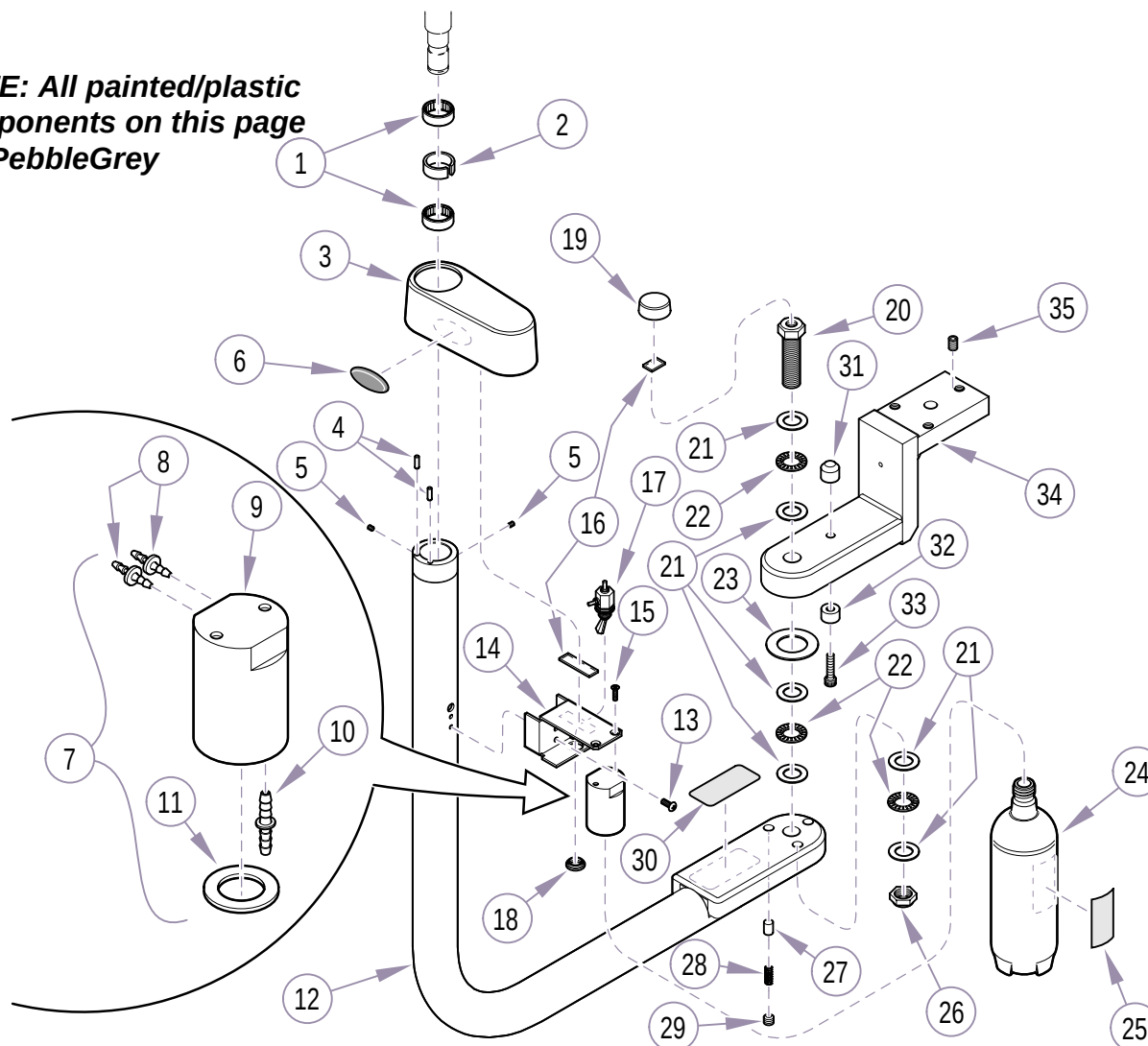
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122308-1	Cover Washer (<i>sterling</i>)	1	21	153073	Toggle Valve (includes item 22)	1
	122308-50	Cover Washer (<i>pebble</i>)	1	22	•	• Nut	1
2	121677-2	Stop Washer	1	23	122596	Unit Bolt Cover (<i>sterling</i>)	1
3		Sleeve / Bearing Assy (incl. items 4 & 5)			122596-01	Unit Bolt Cover (<i>pebble</i>)	1
	153069	(<i>sterling</i>)	1	24	122560	Screw	1
	153069-01	(<i>pebble</i>)	1	25	119034	Thrust Bearing Race	6
4	• 122454-6	• Sleeve Bearing (apply green Loctite*)	1	26	119033	Thrust Bearing	3
5	• 122507-1	• Unit Arm Sleeve (<i>sterling</i>)	1	27	122555	Washer (Apply 275392 Adhesive To Top Face of Washer)	1
	• 122507-50	• Unit Arm Sleeve (<i>pebble</i>)	1	28	152894	Bottle Replacement Kit (750 ml)	
6	122348	Rotation Stop Pin	1			(Includes items 15 & 29)	1
7	122161	Set Screw	1		153282	Bottle Replacement Kit (2.0 liter)	
8	122584	Superflex Pin	1			(Includes items 15 & 29)	1
9	122535	Water Bottle Cover (<i>sterling</i>)	1	29	• TPW1592	• Water Bottle Label	1
	122535-01	Water Bottle Cover (<i>pebble</i>)	1	30	122553	Nut	1
10	121527	Logo	2	31	122564	Friction Bearing	3
11	153284	Bottle Cap Assy		32	121997	Compression Spring	3
		(includes items 12 thru 15 & tubing)	1	33	122572	Set Screw	3
12	• 117481	• Barb Fitting	2	34	TPW1709	Bolt Warning Label	1
13	• 122824	• Bottle Cap	1	35	122550	Light Arm Bumper	1
14	• 117482	• Barb Fitting	1	36	122549	Unit Arm Bumper	1
15	• 120393	• Gasket (Apply 185158 Loctite*)	1	37	107995	Screw	1
16	153055-1	Unit Arm Assembly (<i>sterling</i>)	1	38	122547	Set Screw	3
	153055-50	Unit Arm Assembly (<i>pebble</i>)	1	39		Lower Arm Mounting Bracket	
17	105480	Screw	2		153103-1	(<i>sterling</i>)	1
18	122532-50	Water Bottle Bracket	1		153103-50	(<i>pebble</i>)	1
19	121964	Screw	2				
20	275184	Foam Tape	AR				

Always Specify Model & Serial Number

LR Unit Arm Assembly

SECTION VI PARTS LIST

NOTE: All painted/plastic components on this page are PebbleGrey



DA131300i

Applies to units w/serial numbers PJ1870 thru PJ2588 & PK1042 thru PK1096

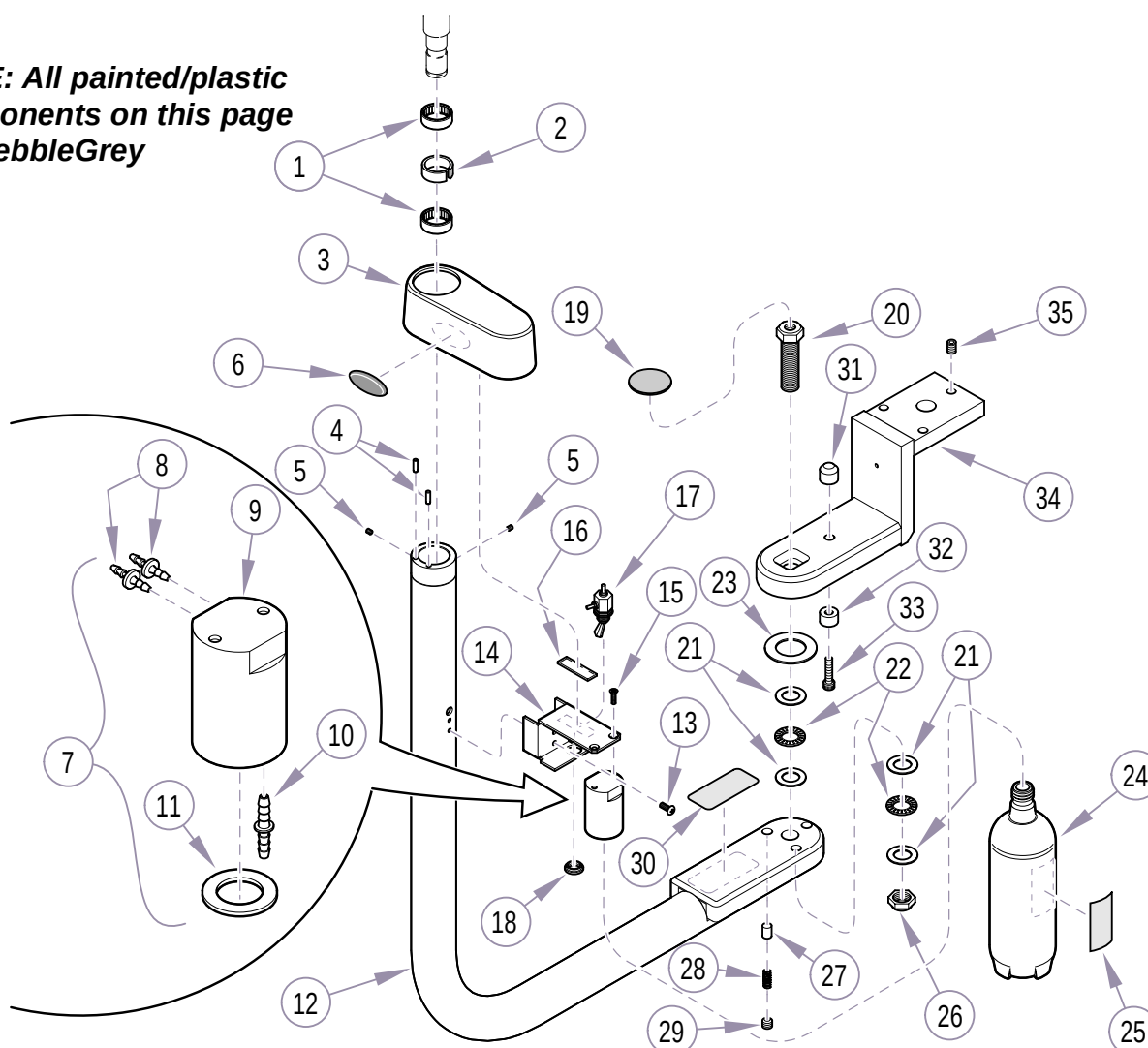
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	016-0856-02	Needle Bearing.....	2	20	122560	Screw.....	1
2	016-0837-00	Slotted Sleeve Bearing.....	1	21	119034	Thrust Bearing Race.....	6
3	122535-01	Water Bottle Cover.....	1	22	119033	Thrust Bearing.....	3
4	122348	Dowel Pin.....	2	23	122555	Washer [apply adhesive (#275392) to top face of washer].....	1
5	040-0010-126	Set Screw.....	2	24	152894	Bottle Replacement Kit (750 ml) (includes items 11 & 25).....	1
6	061-0771-00	Knight by Midmark Label.....	2		153282	Bottle Replacement Kit (2.0 liter) (includes items 11 & 25).....	1
7	153276	Bottle Cap Assy (includes items 8 thru 11 & tubing).....	1	25	TPW1592	Water Bottle Label.....	1
8	• 117481	• Barb Fitting.....	2	26	122553	Nut.....	1
9	• 122824	• Bottle Cap.....	1	27	122564	Friction Bearing.....	3
10	• 117482	• Barb Fitting.....	1	28	121997	Compression Spring.....	3
11	• 120393	• Gasket (apply 185158 Loctite*).....	1	29	122572	Set Screw.....	3
12	030-1279-50	Unit Arm Assembly.....	1	30	TPW1709	Bolt Warning Label.....	1
13	105480	Screw.....	2	31	122550	Light Arm Bumper.....	1
14	122532-50	Water Bottle Bracket.....	1	32	122549	Unit Arm Bumper.....	1
15	121964	Screw.....	2	33	107995	Screw.....	1
16	275184	Foam Tape.....	AR	34	153103-50	Lower Arm Mounting Bracket.....	1
17	153073	3-Way Toggle Valve (incl. item 18).....	1	35	122547	Set Screw.....	3
18	•	• Nut.....	1				
19	122596-01	Unit Bolt Cover.....	1				

Always Specify Model & Serial Number

LR Unit Arm Assembly

SECTION VI PARTS LIST

NOTE: All painted/plastic components on this page are PebbleGrey



DA107201i

Applies to units w/serial numbers PJ2589 & PK1097 thru Present

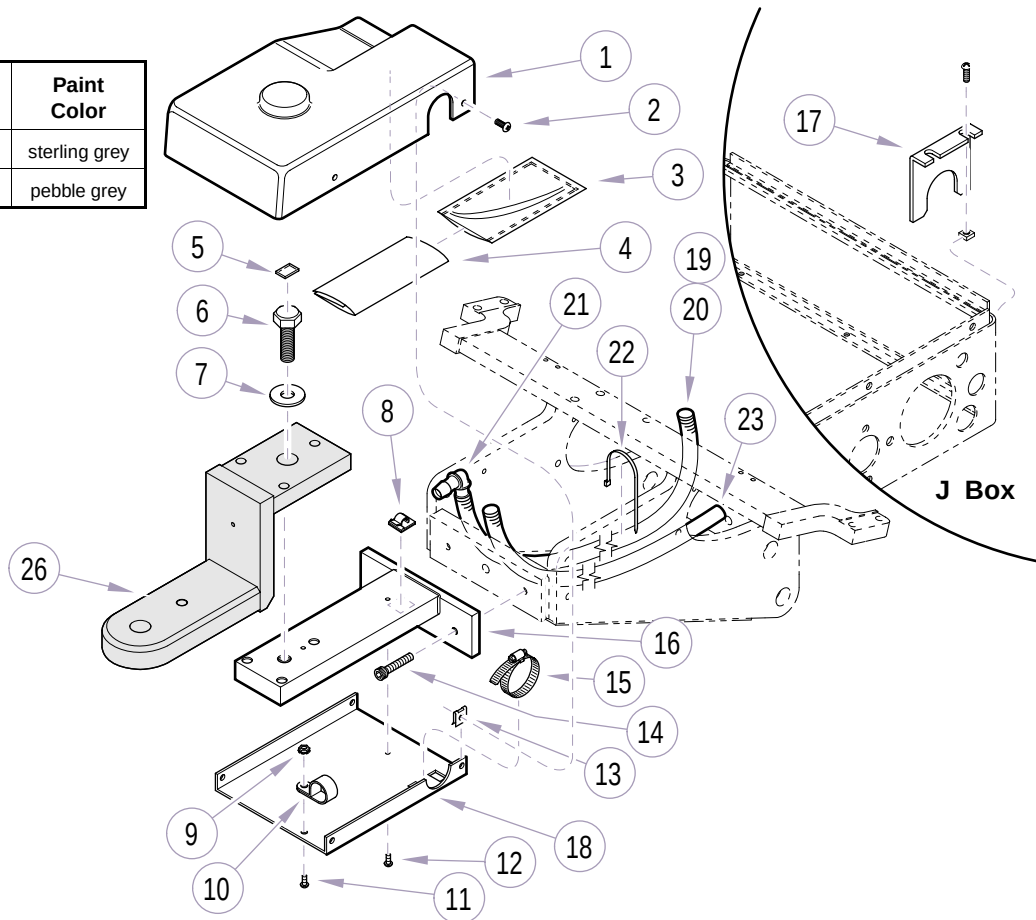
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	029-2859-00	LR Unit Arm & Support Assembly (includes items 1 thru 35)		19	• 061-0819-00	• Unit Bolt Cover	1
1	• 016-0856-02	• Needle Bearing	2	20	• 042-0206-00	• Screw	1
2	• 016-0837-00	• Slotted Sleeve Bearing	1	21	• 155287	• Thrust Bearing Race	4
3	• 122535-01	• Water Bottle Cover.....	1	22	• 119033	• Thrust Bearing.....	2
4	• 122348	• Dowel Pin.....	2	23	• 122555	• Washer [apply adhesive (#275392) to top face of washer]	1
5	• 040-0010-126	• Set Screw	2	24	• 152894	• Bottle Replacement Kit (750 ml).....	1
6	• 061-0771-00	• Knight by Midmark Label	2		153282	Bottle Replacement Kit (2.0 liter) - <i>optional</i> (includes items 11 & 25).....	1
7	• 153276	• Bottle Cap Assy (includes items 8 thru 11 & tubing)	1	25	• TPW1592	• Water Bottle Label	1
8	• • 117481	• • Barb Fitting	2	26	• 122553	• Nut.....	1
9	• • 122824	• • Bottle Cap	1	27	• 122564	• Friction Bearing	3
10	• • 117482	• • Barb Fitting.....	1	28	• 121997	• Compression Spring.....	3
11	• • 120393	• • Gasket (apply 185158 Loctite*)	1	29	• 122572	• Set Screw	3
12	• 030-1279-50	• Unit Arm Assembly	1	30	• TPW1709	• Bolt Warning Label	1
13	• 105480	• Screw.....	2	31	• 122550	• Light Arm Bumper	1
14	• 122532-50	• Water Bottle Bracket	1	32	• 122549	• Unit Arm Bumper.....	1
15	• 121964	• Screw.....	2	33	• 107995	• Screw	1
16	• 275184	• Foam Tape	AR	34	• 030-1465-00	• Lower Arm Mounting Bracket	1
17	• 153073	• 3-Way Toggle Valve (incl. item 18).....	1	35	• 122547	• Set Screw	3
18	• •	• • Nut.....	1				

Always Specify Model & Serial Number

LR Console Components

SECTION VI PARTS LIST

Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK	pebble grey



KA921603i

**Applies to all units with "UA", "UC", "UK", & "UW" serial number prefixes
and units w/ serial numbers PJ1000 thru PJ2588 & PK1000 thru PK1096**

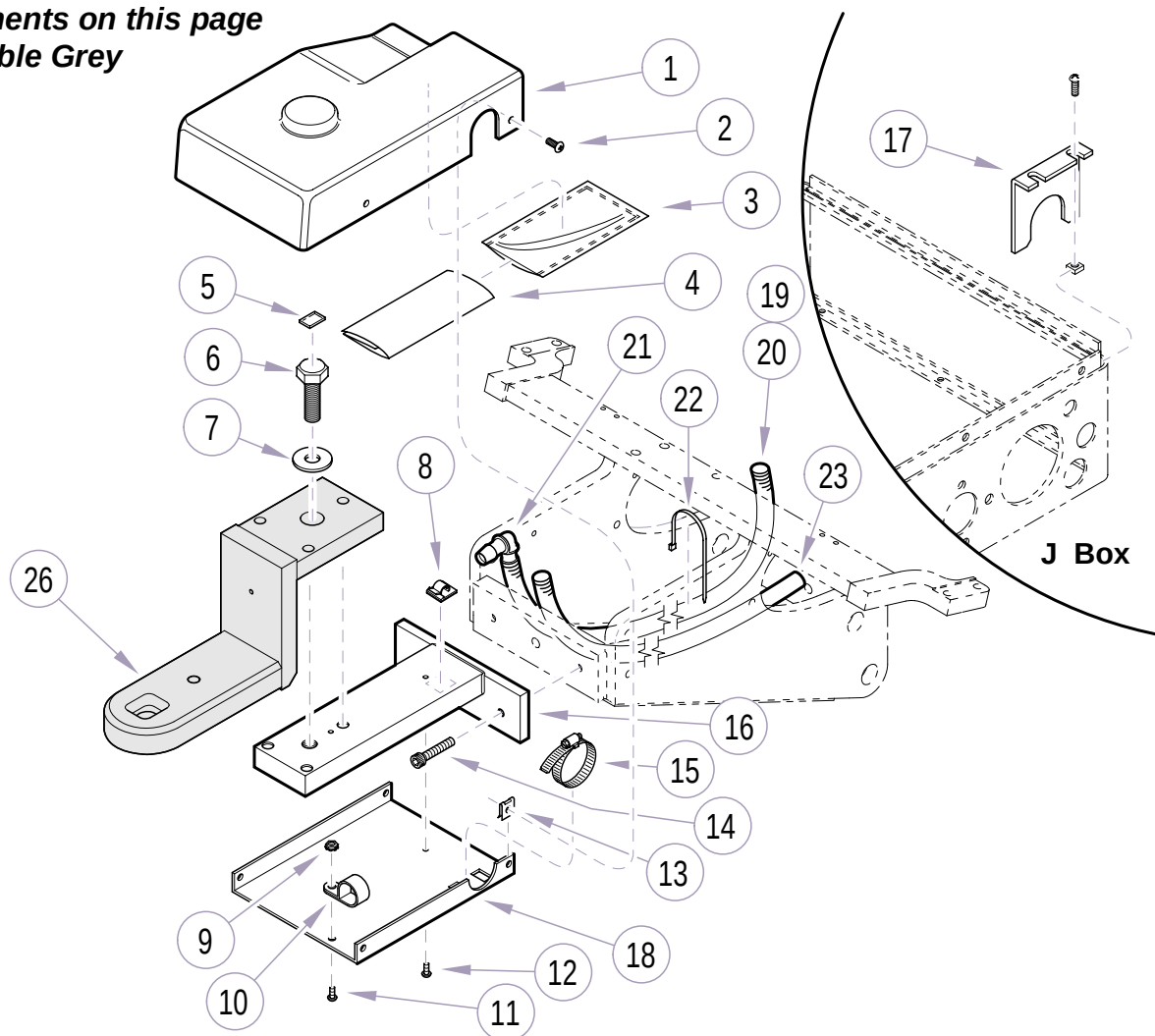
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		External Mounting Bracket Assy		14	• 115300	• Screw.....	2
	153154	(sterling)	1	15	• 016-0885-00	• Hose Clamp (External only).....	1
	153154-01	(pebble)	1	16	• 153054-1	• Mtg Bracket Assy (sterling)	1
	153123	Internal Mounting Bracket Assy	1		• 153054-50	• Mtg Bracket Assy (pebble)	1
1	•	• Mounting Bracket Cover (External)		17	• 122521-2	• Umbilical Retaining Bracket (External only)	1
	122546	(sterling)	1	18	• 122539-1	• Wire Harness Plate (sterling)	1
	122546-01	(pebble)	1		• 122539-50	• Wire Harness Plate (pebble)	1
	•	• Mounting Bracket Cover (Internal)		19	•	• Umbilical Assy, Assistant's Instruments (External only)	
	122638	(sterling)	1		153138	(sterling)	1
	122638-01	(pebble)	1		153138-01	(pebble)	1
2	•	• Screw		20	• • 275255	• • Tubing, 1/2" I.D. (External only).....	1
	121981	(sterling)	4	21	• • 122632	• • 90° Elbow (External only).....	1
	121981-01	(pebble)	4	22	• • 102308	• • Cable Tie (External only).....	1
3	• 134550	• Wiring Diagram Envelope.....	1	23	•	• Umbilical Assy (External only)	
4	• TPW1669	• Concept LR Flow Diagram (External) .	1		153143	(sterling)	1
	TPW1700	• Concept LR Flow Diagram (Internal)...	1		153143-01	(pebble)	1
5	• 275184	• Foam Tape (per ft.).....	AR	24	• 153149	• L/R External Adapter Harness (External only) (not shown).....	1
6	• 122552	• Screw.....	1	25	• TPW1728	• L/R Concept Installation Instructions (not shown).....	1
7	• 122554	• Washer.....	1	26		Refer to: " LR Unit Arm Assembly "	Ref
8	• 109191	• Cord Clip.....	3				
9	• 122357	• Nut (Internal only)	1				
10	• 122636	• Cable Clamp (Internal only)	1				
11	• 105480	• Screw (External).....	1				
	121127	• Screw (Internal).....	1				
12	• 105480	• Screw.....	2				
13	• 121972	• U Fastener.....	4				

Always Specify Model & Serial Number

LR Console Components

SECTION VI PARTS LIST

NOTE: All painted/plastic components on this page are Pebble Grey



KA921601

Applies to units w/serial numbers PJ2589 & PK1097 thru Present

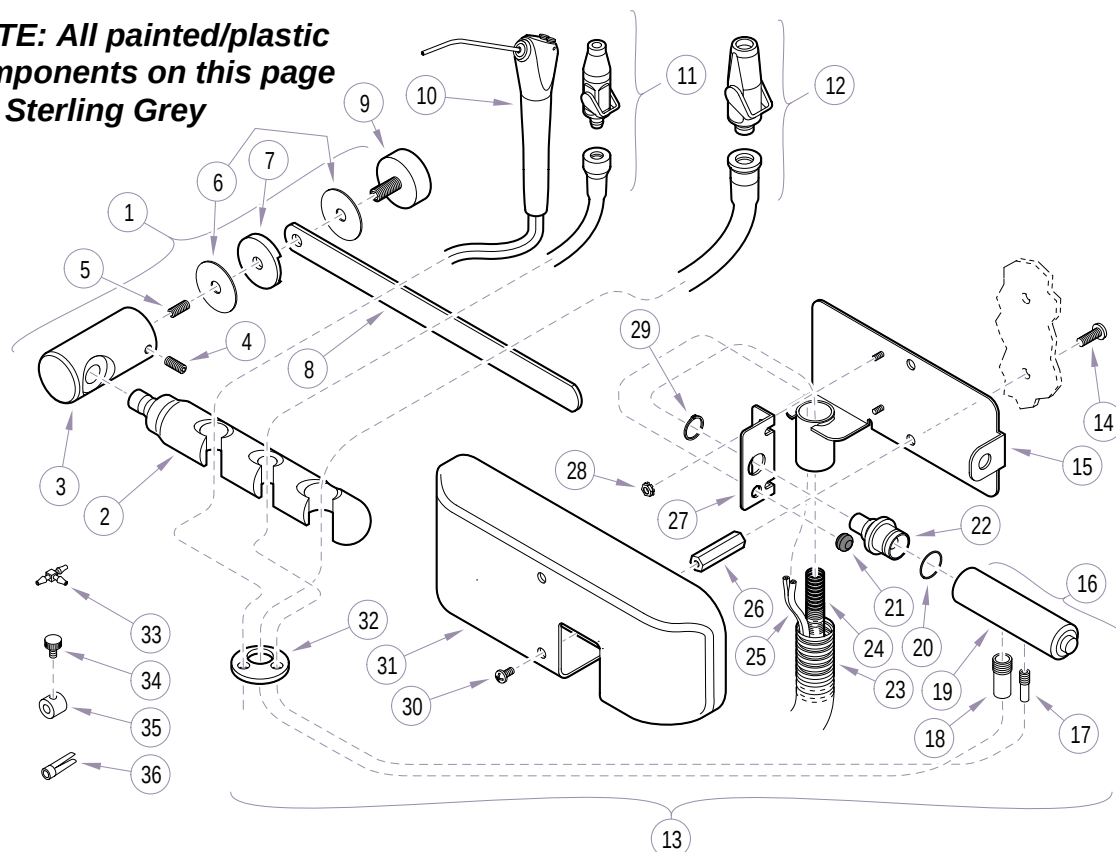
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	153154-01	External Mounting Bracket Assy	1	14	• 107995	• Screw	2
	153123-01	Internal Mounting Bracket Assy	1	15	• 016-0885-00	• Hose Clamp (External only)	1
1	• 122546-01	• Bracket Cover (External)	1	16	• 153054-50	• Mtg Bracket Assy	1
	• 122638-01	• Bracket Cover (Internal)	1	17	• 122521-2	• Umbilical Retaining Bracket (External only)	1
2	• 121981-50	• Screw	4	18	• 122539-50	• Wire Harness Plate	1
3	• 134550	• Wiring Diagram Envelope	1	19	• 153138-01	• Umbilical Assy, Assistant's Instruments (External only)	1
4	• TPW1669	• Flow Diagram (External)	1	20	• • 275255	• • Tubing, 1/2" I.D. (External only)	1
	• TPW1700	• Flow Diagram (Internal)	1	21	• • 122632	• • 90° Elbow (External only)	1
5	• 275184	• Foam Tape (per ft.)	AR	22	• • 102308	• • Cable Tie (External only)	1
6	• 122552	• Screw	1	23	• 153143-01	• Umbilical Assy (External only)	1
7	• 122554	• Washer	1	24	• 153149	• L/R External Adapter Harness (External only) (not shown)	1
8	• 109191	• Cord Clip	3	25	• TPW1728	• L/R Concept Installation Instructions (not shown)	1
9	• 122357	• Nut (Internal only)	1	26		Refer to: " LR Unit Arm Assembly "	Ref
10	• 122636	• Cable Clamp (Internal only)	1				
11	• 105480	• Screw (External)	1				
	• 121127	• Screw (Internal)	1				
12	• 105480	• Screw	2				
13	• 121972	• U Fastener	4				

Always Specify Model & Serial Number

LR Vac Pak Upper Components

SECTION VI PARTS LIST

NOTE: All painted/plastic components on this page are Sterling Grey



KA926101

Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

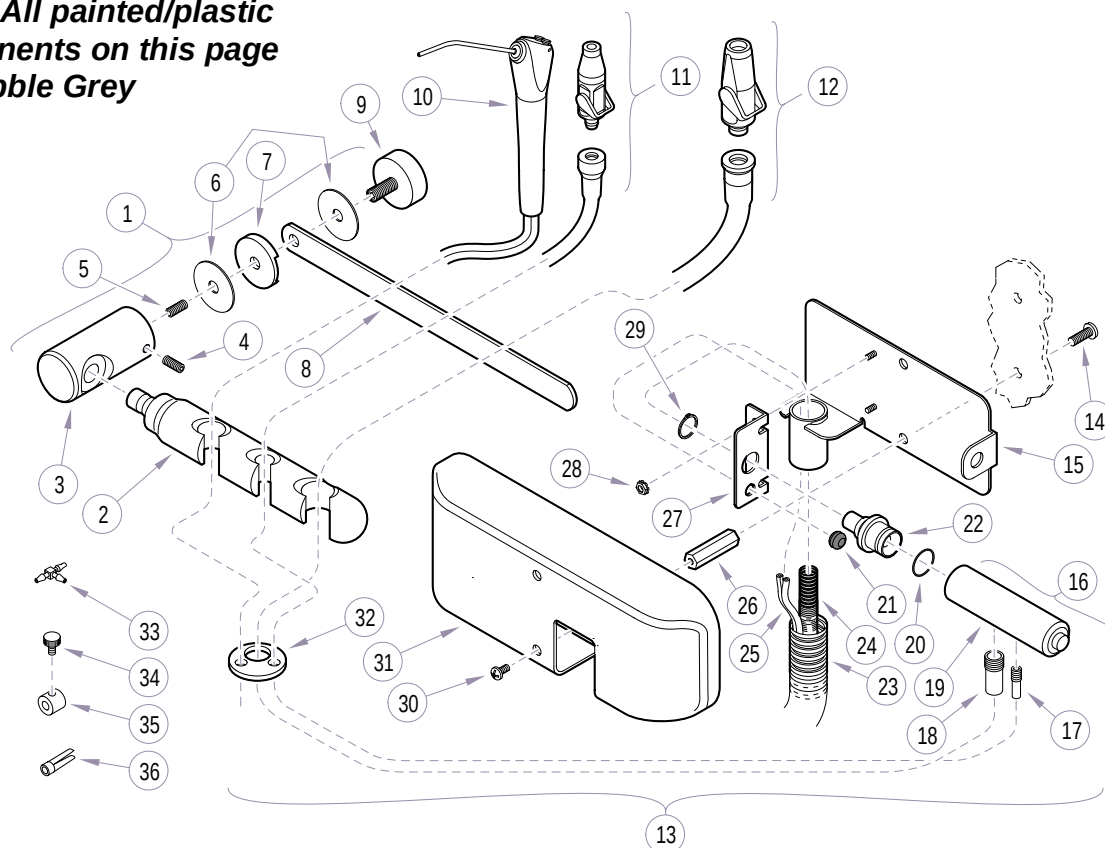
Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	152339	Single Instrument Holder (Shown).....	1	17	• • 122606-2	• • Nipple, Saliva Ejector	1
	152282	Twin Instrument Holder	1	18	• • 122605-2	• • Nipple, HVE.....	1
2	• 122979	• Single HVE Handpiece Holder (Shown).....	1	19	• • 122603	• • Single HVE Swivel Body (Shown)	1
	• 122980	• Twin HVE Handpiece Holder.....	1		• • 122604	• • Twin HVE Swivel Body	1
3	• 121094-1	• Instrument Holder Mount.....	1	20	• C5682	• O-Ring	1
4	• 120913	• Set Screw.....	1	21	• 122608	• Grommet.....	1
5	• 121148	• Screw	1	22	• 122615	• Nipple, Upper Swivel	1
6	• 122707	• Instrument Holder Bearing	2	23	• 275328	• 1" Gray Umbilical Tubing (order by FT)	1.7
7	• 121096-1	• Tang Spacer.....	1	24	• 275255	• 1/2" I.D. Gray Tubing (order by FT) ..	2.6
8	• 121092	• Instrument Holder.....	1	25	• 275635	• Syringe Tubing (order by FT)	1.7
9	• 152157	• Locking Knob Assembly.....	1	26	• 122611-2	• Standoff	2
10	152709	Assistant's Syringe (Refer to "Unheated Syringe")	1	27	• 122571-1	• Retainer Bracket	1
11	152955	Saliva Ejector Valve & Tubing Assy. (For parts breakdown, refer to: " Saliva Ejector/HVE Valve Components ")	1	28	• 122358	• Nut	2
12	152148	HVE Hdpc. Valve & Tubing Assy. (For parts breakdown, refer to: " Saliva Ejector/HVE Valve Components ")	1	29	• 122577	• E-Clip	1
13	153136	Upper Swivel Bracket Assembly, Single (Shown)	1	30	• 121981	• Screw	2
	153137	Upper Swivel Bracket Assembly, Twin	1	31	• 122573	• Single HVE Chairback Cover (Shown) ..	1
14	• 122616	Screw.....	2		• 122610	• Twin HVE Chairback Cover.....	1
15	• 122570-1	Vacuum Swivel Bracket	1	32	• 122612	• Single HVE Tube Collar (Shown).....	1
16	• • 153125	• • Single HVE Hose Swivel (Shown)	1		• 122613	• Twin HVE Tube Collar	1
	• • 153126	• • Twin HVE Hose Swivel	1	33	117477	Fitting, Tee	2
				34	149680	Knob Assembly	2
				35	117736	Collar	2
				36	117479	Uni-Clamp, 1/8" O.D.	8
				37	• TP1232	• Assistant's Handpiece Instructions (Not Shown).....	1
				38	• TP1106	• Syringe Instructions (Not Shown)	1
				39	• TPW1704	• LR Assistant's Installation Instructions (Not Shown)	1

Always Specify Model & Serial Number

LR Vac Pak Upper Components

SECTION VI PARTS LIST

NOTE: All painted/plastic components on this page are Pebble Grey



KA926101

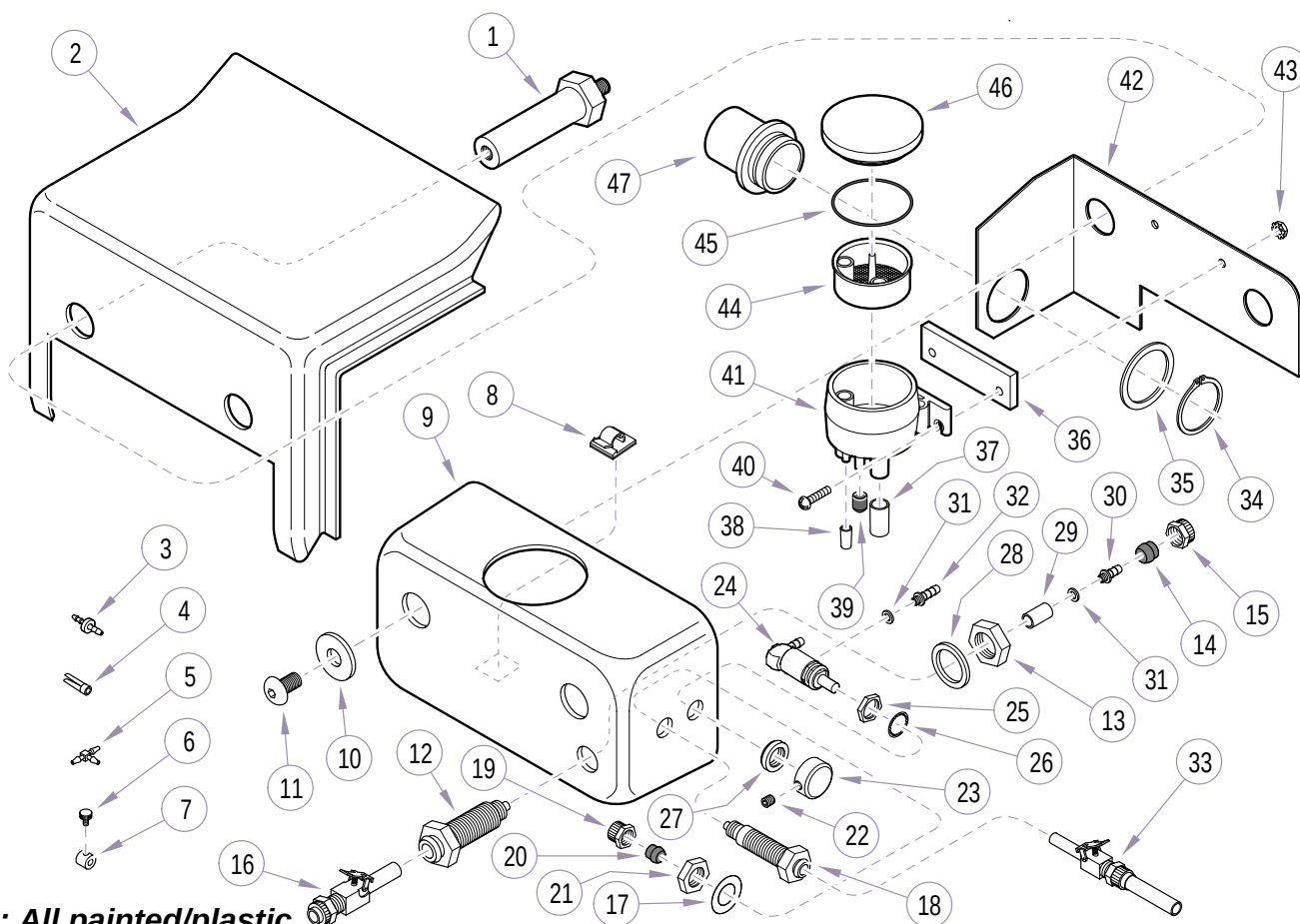
Applies to units with "PJ" & "PK" serial number prefix

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	152158-01	Single Instrument Holder (Shown).....	1	17	• • 122606-2	• • Nipple, Saliva Ejector	1
	152160-01	Twin Instrument Holder	1	18	• • 122605-2	• • Nipple, HVE.....	1
2	• 122979	• Single HVE Handpiece Holder (Shown).....	1	19	• • 122603	• • Single HVE Swivel Body (Shown)	1
	• 122980	• Twin HVE Handpiece Holder.....	1		• • 122604	• • Twin HVE Swivel Body	1
3	• 121094-50	• Instrument Holder Mount.....	1	20	• C5682	• O-Ring	1
4	• 120913	• Set Screw	1	21	• 122608	• Grommet.....	1
5	• 121148	• Screw	1	22	• 122615	• Nipple, Upper Swivel	1
6	• 122707	• Instrument Holder Bearing	2	23	• 275328	• 1" Gray Umbilical Tubing (order by FT)	1.7
7	• 121096-50	• Tang Spacer.....	1	24	• S059-00125	• 1/2" I.D. Gray Tubing (order by FT) ..	2.6
8	• 121092	• Instrument Holder.....	1	25	• 275635	• Syringe Tubing (order by FT)	1.7
9	• 152157-01	• Locking Knob Assembly.....	1	26	• 122611-2	• Standoff	2
10	152709-01	Assistant's Syringe (Refer to "Unheated Syringe")	1	27	• 122571-50	• Retainer Bracket	1
11	152955-01	Saliva Ejector Valve & Tubing Assy. (For parts breakdown, refer to: " Saliva Ejector/HVE Valve Components ")	1	28	• 122358	• Nut	2
12	152148-01	HVE Hdpc. Valve & Tubing Assy. (For parts breakdown, refer to: " Saliva Ejector/HVE Valve Components ")	1	29	• 122577	• E-Clip	1
13	153136-01	Upper Swivel Bracket Assembly, Single (Shown).....	1	30	• 121981	• Screw	2
	153137-01	Upper Swivel Bracket Assembly, Twin.....	1	31	• 122573-01	• Single HVE Chairback Cover (Shown) ..	1
14	• 122616	Screw.....	2		• 122610-01	• Twin HVE Chairback Cover.....	1
15	• 122570-50	Vacuum Swivel Bracket	1	32	• 122612	• Single HVE Tube Collar (Shown).....	1
16	• • 153125	• • Single HVE Hose Swivel (Shown)	1		• 122613	• Twin HVE Tube Collar	1
	• • 153126	• • Twin HVE Hose Swivel	1	33	117477	Fitting, Tee	2
				34	149680	Knob Assembly	2
				35	117736	Collar	2
				36	117479	Uni-Clamp, 1/8" O.D.	8
				37	• TP1232	• Assistant's Handpiece Instructions (Not Shown).....	1
				38	• TPW1704	• LR Assistant's Installation Instructions (Not Shown)	1

Always Specify Model & Serial Number

LR Vac Pak Lower Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

KA926000

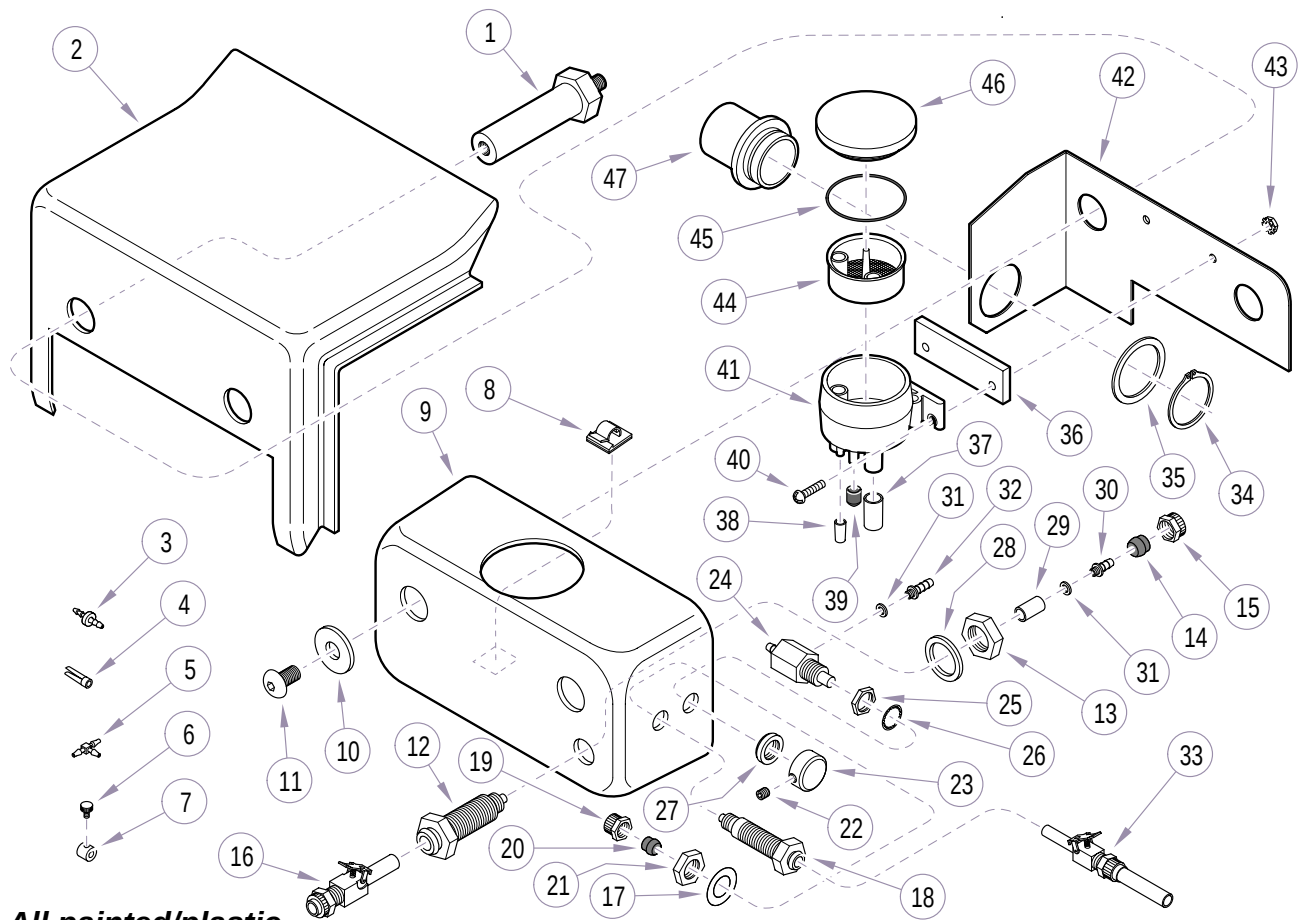
Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	153352	Standoff Assembly	2	24	029-2449-01	Needle Valve	1
2	122635	Platform Cover	1	25	•	• Nut (Included with Item 24)	1
3	117481	Fitting	2	26	•	• Lockwasher (Included with Item 24) ...	1
4	117479	Uni-Clamp, 1/8" O.D.	4	27	•	• Trim Ring (Included with Item 24)	1
5	117477	Fitting, Tee	2	28	122181	Spacer Washer	1
6	149680	Knob Assembly	2	29	121108	Kwik-Connect Adapter	1
7	117736	Collar	2	30	109714	Fitting	1
8	109191	Cord Clip	3	31	117660	Gasket	1
9	122602	Lower Swivel Cover	1	32	117349	Fitting	1
10	122653	Washer	2	33	137259	Coupling	1
11	122654-1	Screw	2	34	042-0056-04	E-Clip	1
12	121129	Poly Quick Disconnect	1	35	122599	Nipple, Lower Swivel	1
13	•	• Nut (Included with Item 11)	1	36	122609-1	Spacer, Solids Collector	1
14	•	• Ferrule (Included with Item 11)	1	37	P15280	Cap Sleeve	1
15	•	• Coupling Nut (Included with Item 11) ..	1	38	118917	Capplug	1
16	121129	Poly Quick Disconnect	1	39	117624	Toggle Cap	1
17	121807	Washer	1	40	151783	Screw	2
18	137259	Coupling	1	41	151689	Housing Assembly	1
19	•	• Coupling Nut (Included with Item 18) ..	1	42	122568-1	Swivel Bracket	1
20	•	• Ferrule (Included with Item 18)	1	43	122358	Nut	2
21	•	• Coupling Nut (Included with Item 18) ..	1	44	118613	Basket	1
22	120178	Set Screw	1	45	118614	O-Ring	1
23	120875-1	Knob, Water Control Valve	1	46	122364-1	Cover, Solids Collector	1
				47	122600	Bearing, Lower Swivel	1

Always Specify Model & Serial Number

LR Vac Pak Lower Components

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

KA926000

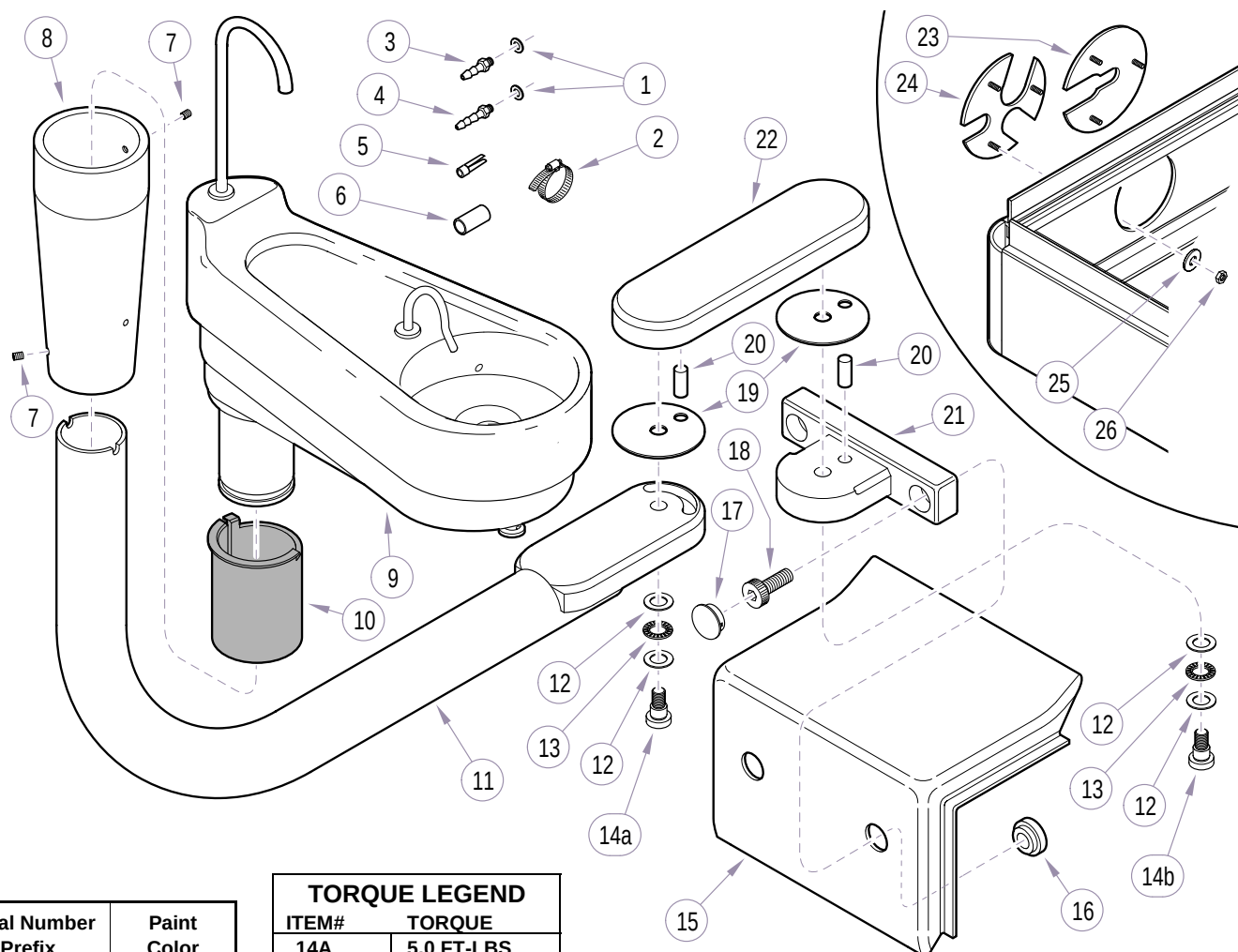
Applies to units with "PJ" & "PK" serial number prefixes

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	153352	Standoff Assembly	2	24	029-2449-01	Needle Valve	1
2	122635-01	Platform Cover	1	25	•	• Nut (Included with Item 24)	1
3	117481	Fitting	2	26	•	• Lockwasher (Included with Item 24) ...	1
4	117479	Uni-Clamp, 1/8" O.D.	4	27	•	• Trim Ring (Included with Item 24)	1
5	117477	Fitting, Tee	2	28	122181	Spacer Washer	1
6	149680	Knob Assembly	2	29	121108	Kwik-Connect Adapter	1
7	117736	Collar	2	30	109714	Fitting	1
8	109191	Cord Clip	3	31	117660	Gasket	1
9	122602-01	Lower Swivel Cover	1	32	117349	Fitting	1
10	122653	Washer	2	33	137259	Coupling	1
11	122654-50	Screw	2	34	042-0056-04	E-Clip	1
12	121129	Poly Quick Disconnect	1	35	122599	Nipple, Lower Swivel	1
13	•	• Nut (Included with Item 11)	1	36	122609-50	Spacer, Solids Collector	1
14	•	• Ferrule (Included with Item 11)	1	37	P15280	Cap Sleeve	1
15	•	• Coupling Nut (Included with Item 11) ..	1	38	118917	Capplug	1
16	121129	Poly Quick Disconnect	1	39	117624	Toggle Cap	1
17	121807	Washer	1	40	151783-50	Screw	2
18	137259	Coupling	1	41	151689-01	Housing Assembly	1
19	•	• Coupling Nut (Included with Item 18) ..	1	42	122568-50	Swivel Bracket	1
20	•	• Ferrule (Included with Item 18)	1	43	122358	Nut	2
21	•	• Coupling Nut (Included with Item 18) ..	1	44	118613	Basket	1
22	120178	Set Screw	1	45	118614	O-Ring	1
23	120875-50	Knob, Water Control Valve	1	46	122364-50	Cover, Solids Collector	1
				47	122600	Bearing, Lower Swivel	1

Always Specify Model & Serial Number

LR Cuspidor Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PL	pebble grey

TORQUE LEGEND	
ITEM#	TORQUE
14A	5.0 FT-LBS (7 N•M)
14B	8.0 FT-LBS (11 N•M)

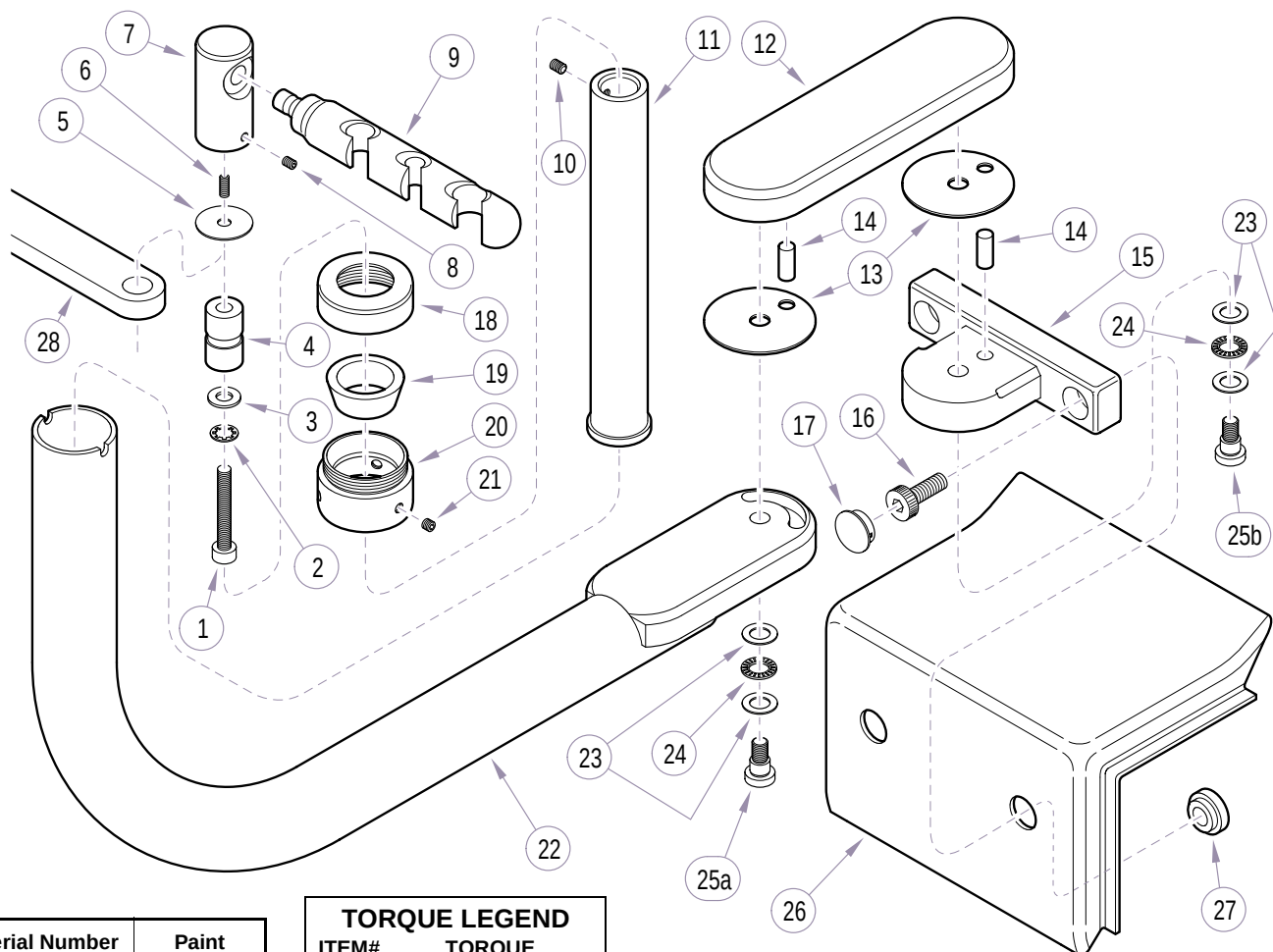
KA926600

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	117660	Gasket	2	16	122657	Spacer (units w/o Vac Pak)	1
2	104499	Hose Clamp	1	17	120227	Plug Button (sterling)	2
3	109714	Fitting	1		120227-50	Plug Button (pebble)	2
4	117349	Fitting	1	18	122700	Screw, 1-1/4" (units w/o Vac Pak)	2
5	117479	Uni-Clamp, 1/8" O.D.	1		C4983	Screw, 1" (units w/Vac Pak)	2
6	117480	Sleeve Clamp	1	19	122679	Washer	2
7	122161	Set Screw	3	20	122678	Dowel Pin (apply adhesive #185057)	2
8	122672-1	Adaptor (sterling)	1	21	153175-1	Mounting Bracket (sterling)	1
	122672-50	Adaptor (pebble)	1		153175-50	Mounting Bracket (pebble)	1
9		Refer to "Cuspidor Assembly"	Ref	22	122649-1	Bracket Plate (sterling)	1
10	122696	Bearing	1		122649-50	Bracket Plate (pebble)	1
11	153176-1	Support Arm Assy (sterling)	1	23	122704-1	Retaining Plate (sterling)	1
	153176-50	Support Arm Assy (pebble)	1		122704-50	Retaining Plate (pebble)	1
12	120712	Washer	4	24	122705-2	Umbilical Retaining Plate	1
13	110207	Bearing	2	25	P1673	Washer	3
14a	117471	Screw	1	26	P507	Nut	3
14b	117471	Screw	1	27	TPW1718	Installation Instructions (not shown)	1
15	115328	LR Cover Assembly	1				

Always Specify Model & Serial Number

LR Assistant's Instrument Holder

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PL	pebble grey

TORQUE LEGEND	
ITEM#	TORQUE
26A	5.0 FT-LBS (7 N•M)
26B	8.0 FT-LBS (11 N•M)

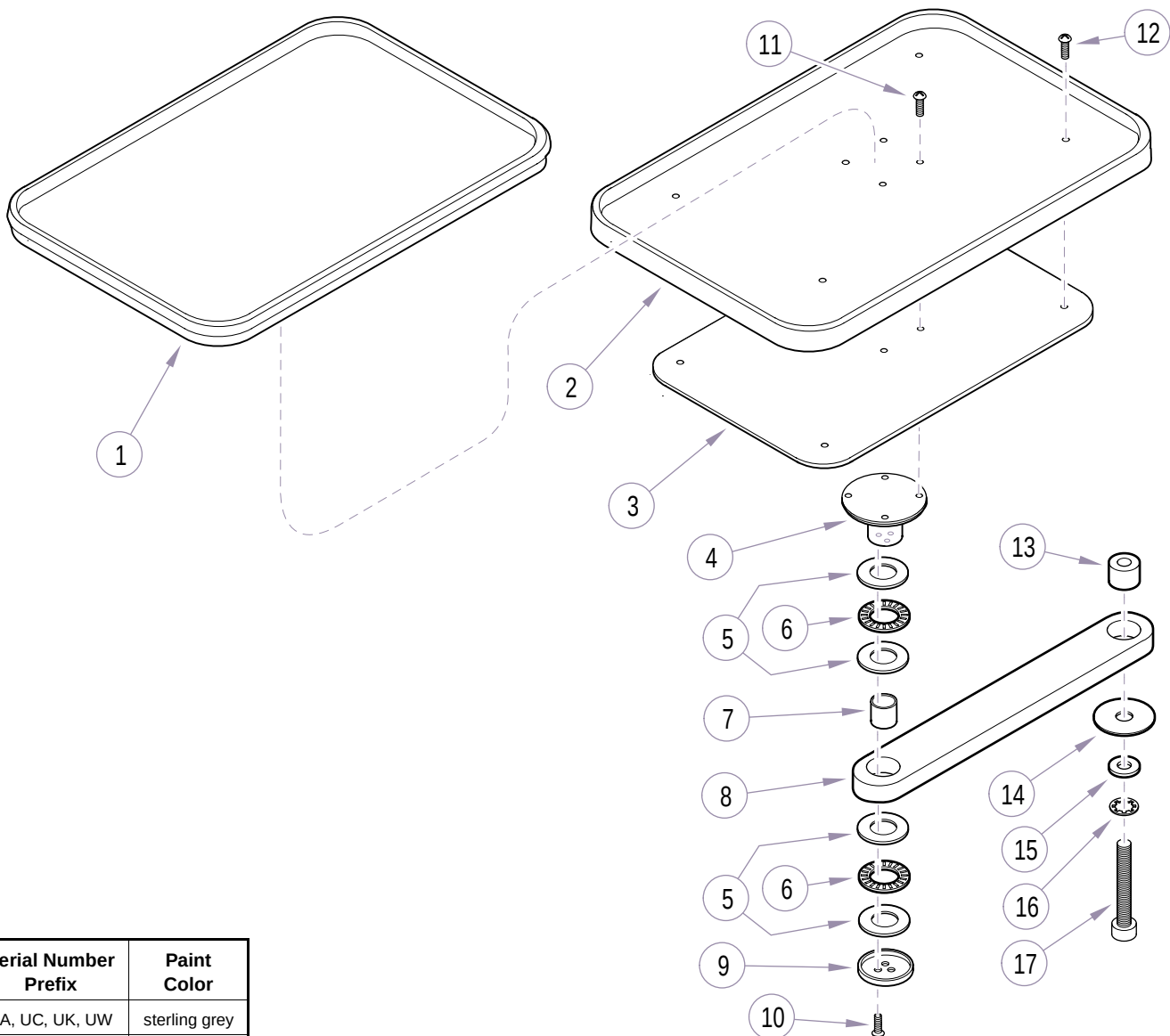
KA926300

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	121751	Screw.....	1	17	120227	Plug Button (sterling)	2
2	C4507	Lockwasher.....	1		120227-50	Plug Button (pebble).....	2
3	100099	Washer	1	18	122716-1	Upper Sleeve (sterling)	1
4	122720	Spacer, Instrument Holder	1		122716-50	Upper Sleeve (pebble).....	1
5	122707	Instrument Holder Bearing.....	1	19	122718	Bearing.....	1
6	121148	Set Screw	1	20		Lower Sleeve (apply G15000181, Lubriplate to threads)	
7	121094-1	Inst. Holder Mount (sterling)	1		122717-1	(sterling)	1
	121094-50	Inst. Holder Mount (pebble)	1		122717-50	(pebble).....	1
8	106753	Set Screw	1	21	106753	Set Screw	1
9	122979	Single HVE Handpiece Holder	1	22	153176-1	Cuspidor Arm Assy (sterling)	1
	122980	Twin HVE Handpiece Holder	1		153176-50	Cuspidor Arm Assy (pebble)	1
10	122161	Set Screw	1	23	120712	Washer	4
11	122719-1	Post (sterling)	1	24	110207	Bearing.....	2
	122719-50	Post (pebble).....	1	25a	117471	Screw	1
12	122649-1	Mtg. Bracket Plate (sterling)	1	25b	117471	Screw	1
	122649-50	Mtg. Bracket Plate (pebble).....	1	26	153228	LR Cover Assembly (sterling)	1
13	122679	Washer	2		153228-01	LR Cover Assembly (pebble).....	1
14	122678	Dowel Pin (use adhesive #185057)	2	27	122657	Spacer (Units w/o Vac Pak).....	2
15	153175-1	Mounting Bracket (sterling).....	1	28	153218	Refer to "LR Unit Instrument Tray Assembly"	Ref
	153175-50	Mounting Bracket (pebble).....	1	29	TPW1724	Installation Instructions (not shown)	1
16	122700	Screw, 1-1/4" (units w/o Vac Pak)	2				
	C4983	Screw, 1" (units w/Vac Pak)	2				

Always Specify Model & Serial Number

LR Unit Instrument Tray Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PL	pebble grey

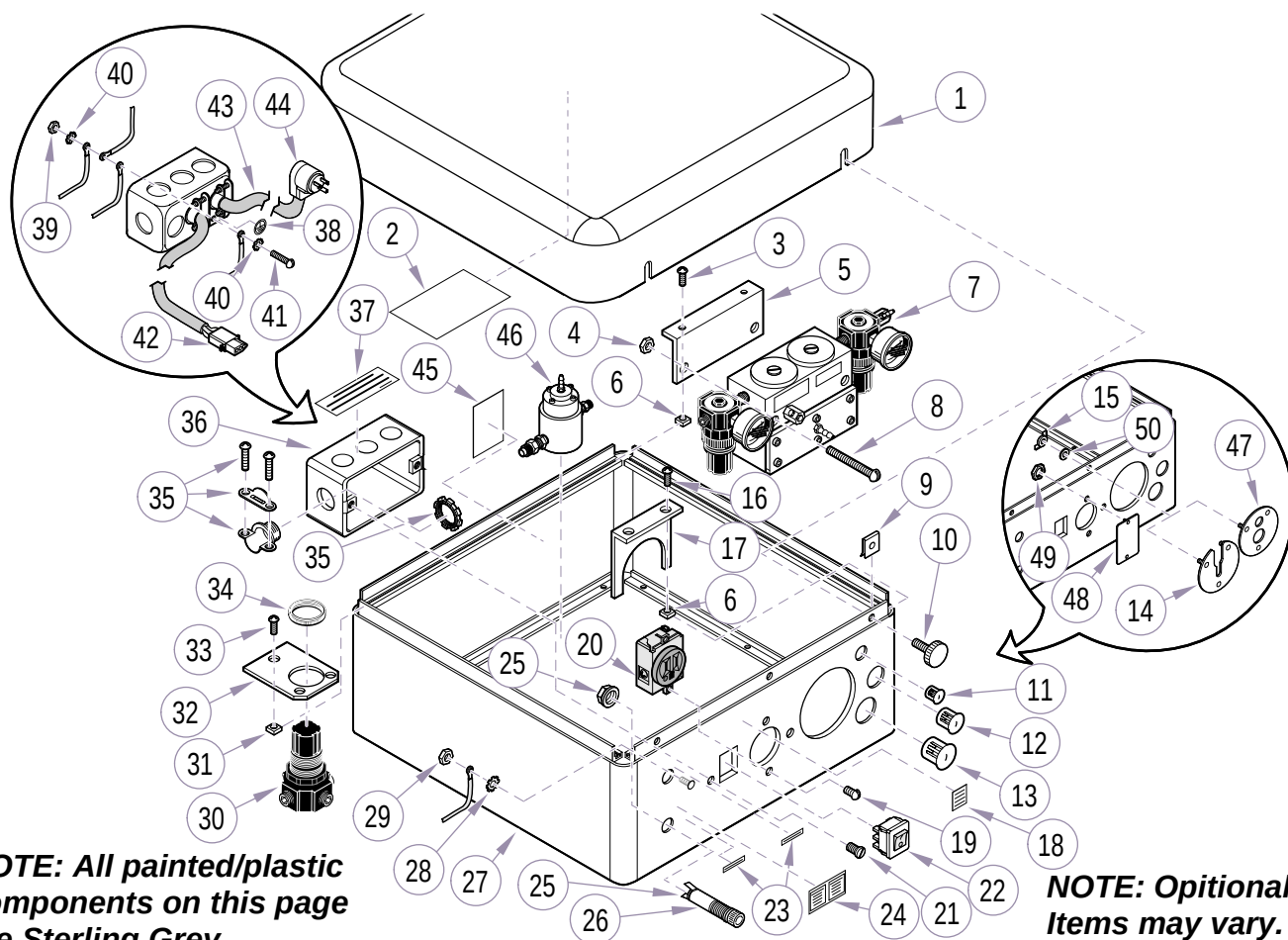
KA926700

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
		Instrument Tray Assembly (includes items 1 thru 18)		8	120961-1	Movable Arm (<i>sterling</i>)	1
	153218				120961-50	Movable Arm (<i>pebble</i>)	1
	153218-01			9	120580-1	Cap (<i>sterling</i>)	1
1	116599	Tray	1		120580-50	Cap (<i>pebble</i>)	1
2	120613	Tray Support (<i>sterling</i>)	1	10	120612	Screw	3
	120613-01	Tray Support (<i>pebble</i>)	1	11	120612	Screw	4
3	120617	Threaded Plate (<i>sterling</i>)	1	12	119905	Screw	4
	120617-50	Threaded Plate (<i>pebble</i>)	1	13	122726	Bearing	1
4	120585-2	Tray Arm Pin	1	14	122707	Bearing	1
5	119458	Thrust Washer	4	15	100099	Washer	1
6	119462	Needle Bearing	2	16	C4507	Lockwasher	1
7	120579	Tray Arm Bearing	1	17	122724	Screw	1
				18	TPW1764	Installation Instructions (not shown)	1

Always Specify Model & Serial Number

Large Junction Box, 120V

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

NOTE: Optional Items may vary.

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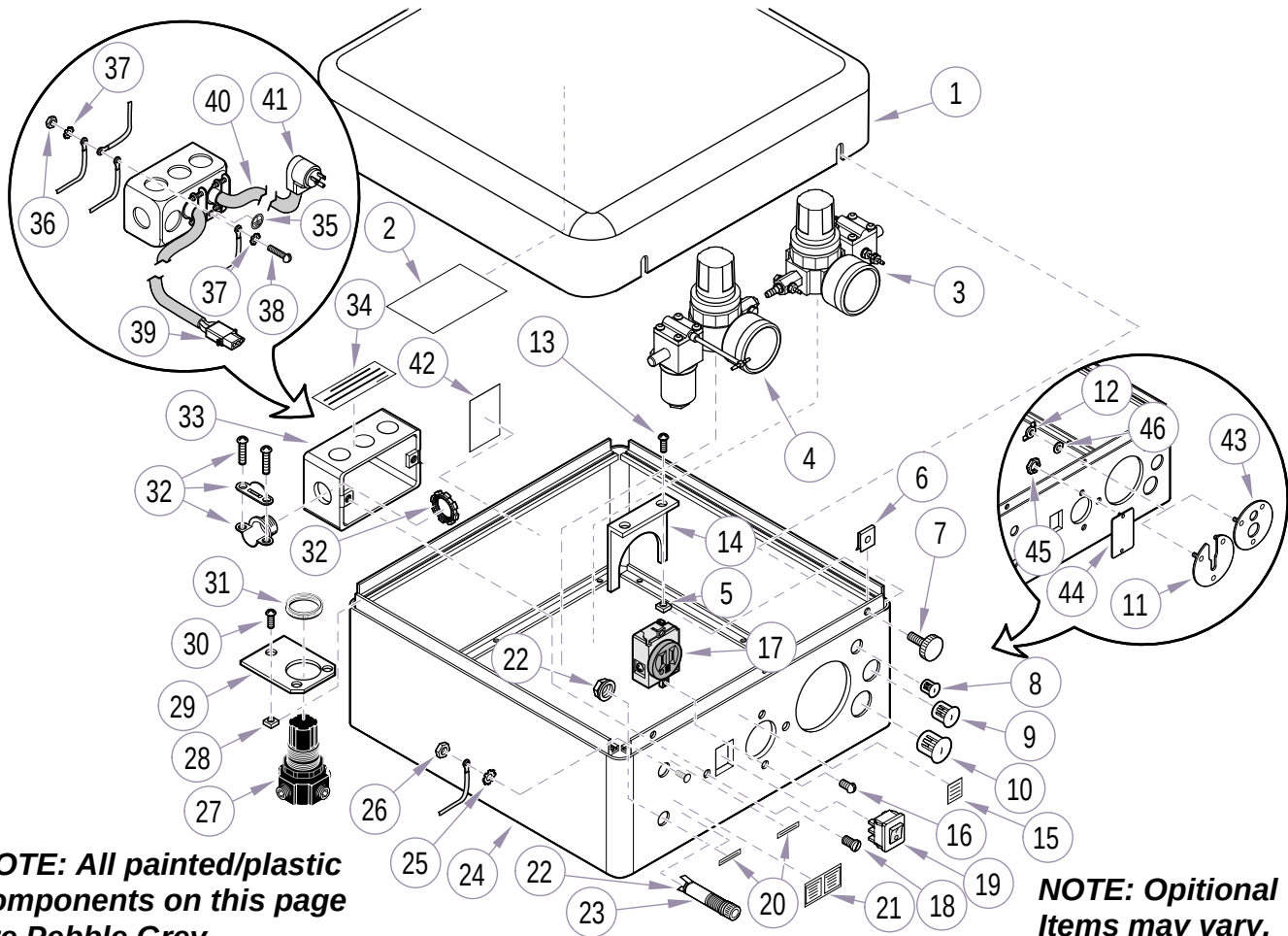
Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122394	J Box Cover	1	26	111541	15 Amp Fuse, 3AG (Not Shown)	2
2	TP1616	J Box Flow Diagram	1	27	152959	J Box Frame Assembly, Large	1
3	040-0010-36	Screw	2	28	P14718	Lockwasher, Tooth	1
4	P507	Nut	3	29	P507	Nut	1
5	122393-1	Valve Mounting Bracket	1	30	152961	Regulator Assembly	1
6	117358	Nut	4	31	117358	Nut	1
7		Refer to " Valve Block Assembly ")	Ref	32	122391-1	Regulator Mounting Plate	1
8	P9216	Screw	2	33	040-0010-36	Screw	1
9	121971	"U" Fastener	4	34		Nut (Included with item 30)	1
10	153037	Thumbscrew	4	35	102980	3/8" Die Cast Connector Clamp	3
11	120236	1/2" Plug	2	36	121533	Jiffy Box, Electrical	1
12	120227	3/4" Plug	2	37	300041	Warning Label, Separate Circuit	1
13	121872-1	1" Plug	1	38	112504	Ground Identification label	4
14	122597-1	Umbilical Retainer Bracket	1	39	P507	Nut	1
15	120997	Wing Nut	3	40	P14718	Lockwasher, Tooth	2
16	040-0010-36	Screw	2	41	156101	Screw	1
17	122390-2	Umbilical Retainer Bracket (Used with Typical Large Umbilical)	1	42	153010	Umbilical Stub	1
18	061-0845-00	115V Power Rating Label	1	43	152774	120 V Power Stub Cable	1
19	117821	Screw	2	44	122618	120V HG Plug	1
20	122586	120 V HG Outlet	1	45	TPW1683	Rating Plate	1
21		Screw	2	46	152149	Water Valve Assembly (Refer to " Water Valve Assembly ")	Ref
22	122121	Switch, Modified	1	47	122671-1	Umbilical Retainer Bracket	1
23	TPW1465	15 Amp Fuse Label	2	48	122622-1	Cover Plate, (Units w/o Outlet)	1
24	TPW1464	Fuse Warning Label	1	49	122358	Nut	2
25	122541	Fuse Holder, 3AG	2	50	P1673	Washer	3

Always Specify Model & Serial Number

Large Junction Box, 120V

SECTION VI PARTS LIST



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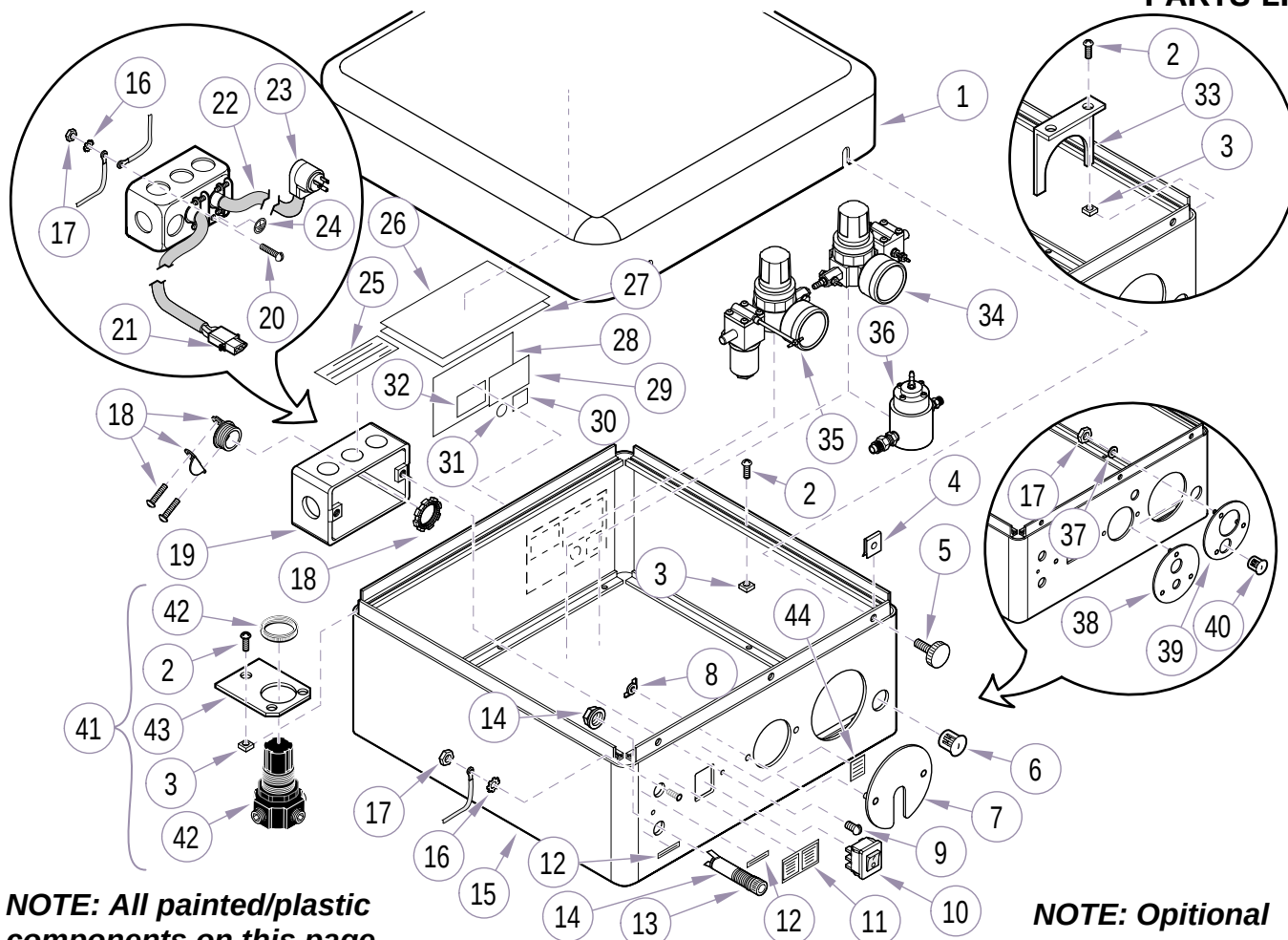
Applies to units with serial numbers PJ1000 thru PJ1869, PK1000 thru PK1041, PL1000 thru PL1571 & PM1000 thru 1163

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122394-01	J Box Cover	1	24	152959-01	J Box Frame Assembly, Large.....	1
2	TP1616	J Box Flow Diagram.....	1	25	P14718	Lockwasher, Tooth.....	1
3		Refer to "Air Control Assembly".....	Ref	26	P507	Nut.....	3
4		Refer to "Water Valve Assembly".....	Ref	27	152961	Regulator Assembly	1
5	117358	Nut	2	28	117358	Nut.....	1
6	121971	"U" Fastener.....	4	29	122391-50	Regulator Mounting Plate.....	1
7	153037	Thumbscrew	4	30	040-0010-36	Screw	1
8	120236-00	1/2" Plug	2	31	•	• Nut (Included with item 27)	1
9	120227-00	3/4" Plug	2	32	102980	3/8" Die Cast Connector Clamp	3
10	121872-00	1" Plug	1	33	121533	Jiffy Box, Electrical	1
11	122597-50	Umbilical Retainer Bracket.....	1	34	300041	Warning Label, Separate Circuit	1
12	120997	Wing Nut.....	3	35	112504	Ground Identification label	4
13	040-0010-36	Screw.....	2	36	P507	Nut.....	1
14	122390-2	Umbilical Retainer Bracket (Used with Typical Large Umbilical).....	1	37	P14718	Lockwasher, Tooth.....	2
15	061-0845-00	115V Power Rating Label	1	38	156101	Screw	1
16	117821	Screw.....	2	39	153010-01	Umbilical Stub	1
17	122586	120 V HG Outlet (includes item 18).....	1	40	152774-01	120 V Power Stub Cable	1
18	•	• Screw	2	41	122618	120V HG Plug	1
19	122121	Switch, Modified.....	1	42	TPW1683	Rating Plate.....	1
20	TPW1465	15 Amp Fuse Label.....	2	43	122671-00	Umbilical Retainer Bracket	1
21	TPW1464	Fuse Warning Label.....	1	44	122622-00	Cover Plate, (Units w/o Outlet).....	1
22	122541	Fuse Holder, 3AG	2	45	122358	Nut.....	2
23	111541	15 Amp Fuse, 3AG (Not Shown)	2	46	P1673	Washer	3

Always Specify Model & Serial Number

Large Junction Box, 120V

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

NOTE: Optional Items may vary.

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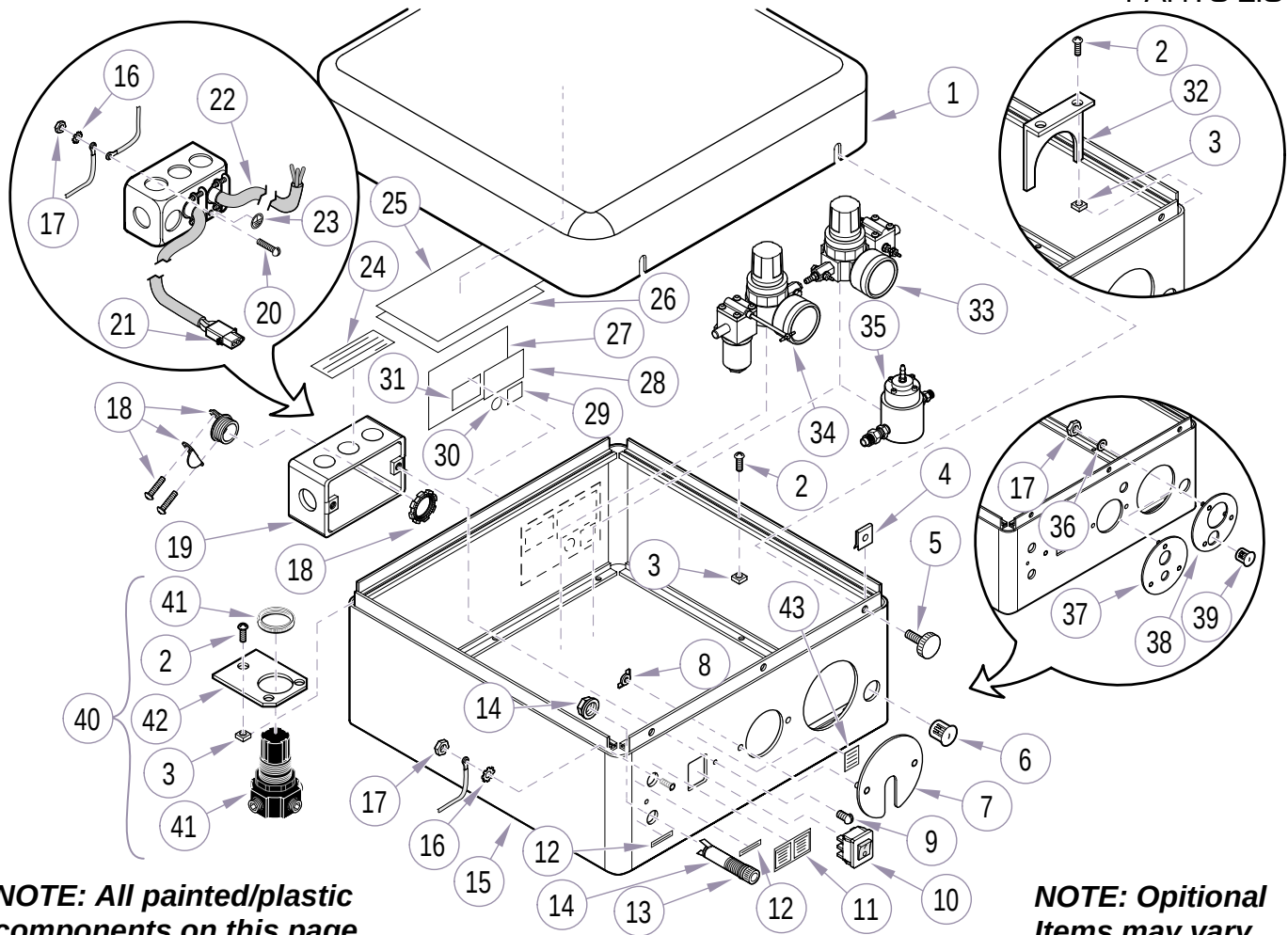
Applies to units with serial numbers PJ1870, PK1042, PL1572, & PM1164 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122394-01	J Box Cover	1	25	300041	Branch Circuit Label	1
2	040-0010-36	Screw	AR	26	003-1191-00	Flow Diagram	1
3	117358	Square Nut	AR	27	003-1190-00	Installation Template	1
4	121971	"U" Fastener	4	28	061-0741-00	Clear Laminate	1
5	153037	Thumbscrew	4	29		Serial Number Label	Ref
6	120227-00	3/4" Plug	AR	30	061-0665-00	CE Label	1
7	029-2632-00	Power Cord Cover Plate	1	31	061-0652-00	Type B Label	1
8	120997	Wing Nut	3	32		ETL Label	Ref
9	117821	Screw	2	33	122390-2	Umbilical Retainer Bracket (Used with Typical Large Umbilical)	AR
10	122121	120 V Switch, Modified	1	34		Refer to "Air Control Assembly"	Ref
11	TPW1464	Fuse Warning Label	1	35		Refer to "Water Control Assembly"	Ref
12	TPW1465	15 Amp Fuse Label	2	36		Refer to "Water Pilot Valve Assy"	Ref
13	111541	15 Amp Fuse, 3AG (Not Shown)	2	37	P1673	Washer	AR
14	122541	Fuse Holder, 3AG	2	38	122671-00	Umbilical Retainer Bracket	AR
15	029-2889-00	J Box Frame Assembly, Large	1	39	122670-00	Umbilical Retainer Bracket	AR
16	P14718	Lockwasher, Tooth	2	40	120236-00	1/2" Plug	AR
17	P507	Nut	AR	41	029-2678-00	Self-Centered Water Reguator Assy Includes (Items 2,3, 42,&43)	AR
18	102980	3/8" Die Cast Connector Clamp	2	42	145756	Regulator Assembly	AR
19	121533	Jiffy Box, Electrical	1	43	122391-50	Regulator Mounting Plate	AR
20	156101	Screw	1	44	061-0845-00	Receptacle Rating Label	1
21	015-1599-00	J-Box to APC Cable	1	45		Refer to "Hardware Component" (Not Shown)	Ref
22	152774-01	120 V Power Stub Cable	1				
23	122618	120V HG Plug	1				
24	061-0653-00	Ground Identification Label	2				

Always Specify Model & Serial Number

Large Junction Box, 240V

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

NOTE: Optional Items may vary.

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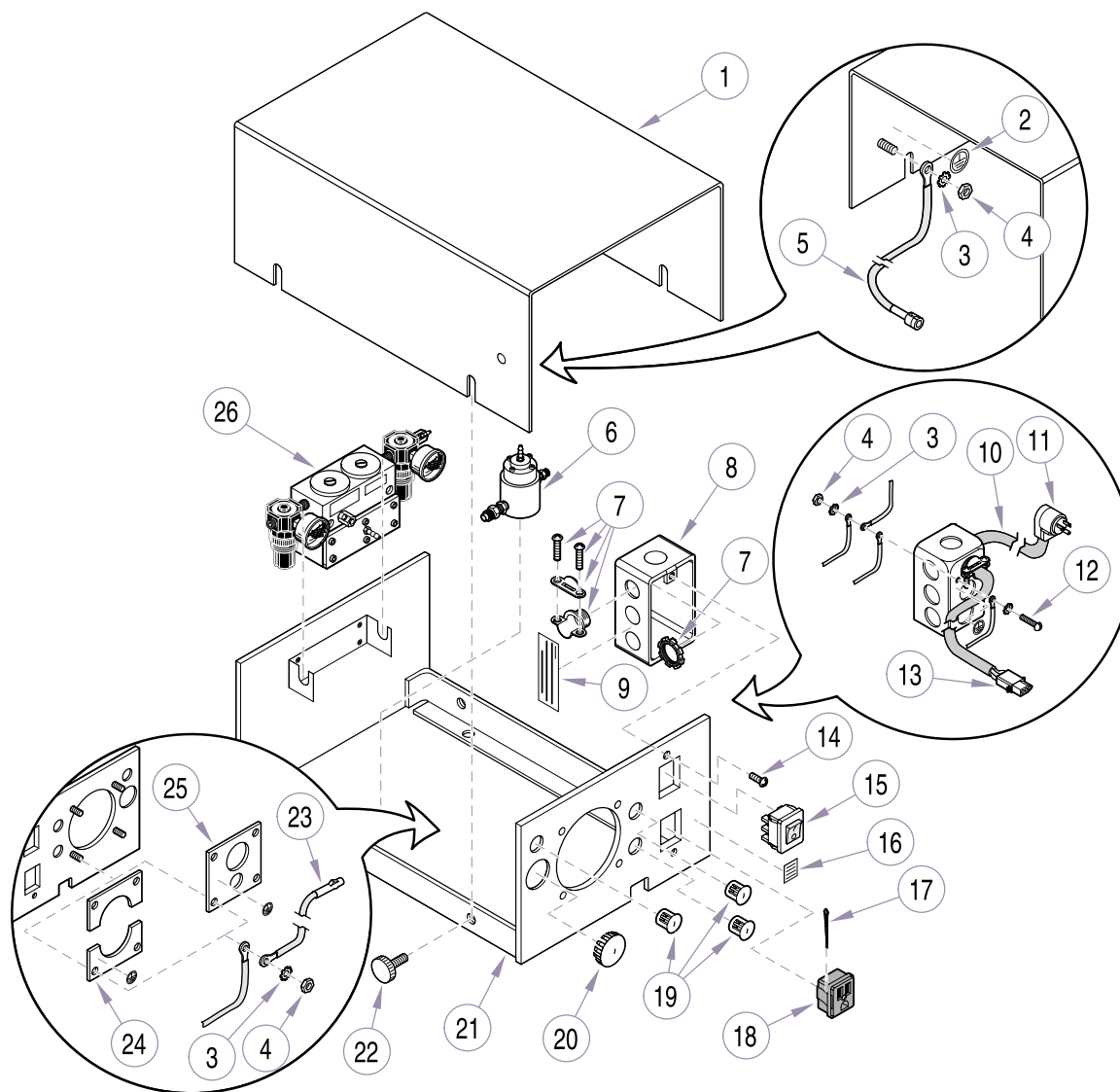
Applies to units with serial numbers PJ1870, PK1042, PL1572, & PM1164 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	122394-01	J Box Cover	1	25	003-1191-00	Flow Diagram	1
2	040-0010-36	Screw	AR	26	003-1190-00	Installation Template	1
3	117358	Square Nut.....	AR	27	061-0741-00	Clear Laminate	1
4	121971	"U" Fastener.....	4	28		Serial Number Label	Ref
5	153037	Thumbscrew	4	29	061-0665-00	CE Label	1
6	120227-00	3/4" Plug	AR	30	061-0652-00	Type B Label	1
7	029-2632-00	Power Cord Cover Plate	1	31		ETL Label.....	Ref
8	120997	Wing Nut.....	3	32	122390-2	Umbilical Retainer Bracket (Used with Typical Large Umbilical)	AR
9	117821	Screw.....	2	33		Refer to "Air Control Assembly"	Ref
10	122087	250V Switch, Modified	1	34		Refer to "Water Control Assembly"	Ref
11	TPW1464	Fuse Warning Label.....	1	35		Refer to "Water Pilot Valve Assy"	Ref
12	TPW1486	7.5 Amp Fuse Label.....	2	36	P1673	Washer	AR
13	121283	7.5 Amp Fuse, 3AG (Not Shown)	2	37	122671-00	Umbilical Retainer Bracket	AR
14	122541	Fuse Holder, 3AG	2	38	122670-00	Umbilical Retainer Bracket	AR
15	029-2889-00	J Box Frame Assembly, Large	1	39	120236-00	1/2" Plug	AR
16	P14718	Lockwasher, Tooth	2	40	029-2678-00	Self-Centered Water Reguator Assy Includes (Items 2,3, 42,&43)	AR
17	P507	Nut	AR	41	145756	Regulator Assembly	AR
18	102980	3/8" Die Cast Connector Clamp.....	2	42	122391-50	Regulator Mounting Plate.....	AR
19	121533	Jiffy Box, Electrical.....	1	43	061-0845-00	Receptacle Rating Label	1
20	156101	Screw.....	1	44		Refer to "Hardware Component" (Not Shown)	Ref
21	015-1599-00	120V/240V Umbilical Stub Cable.....	1				
22	152774-01	120V/240V Power Stub Cable	1				
23	061-0653-00	Ground Identification Label.....	2				
24	300041	Branch Circuit Label	1				

Always Specify Model & Serial Number

Small Junction Box, 120V

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

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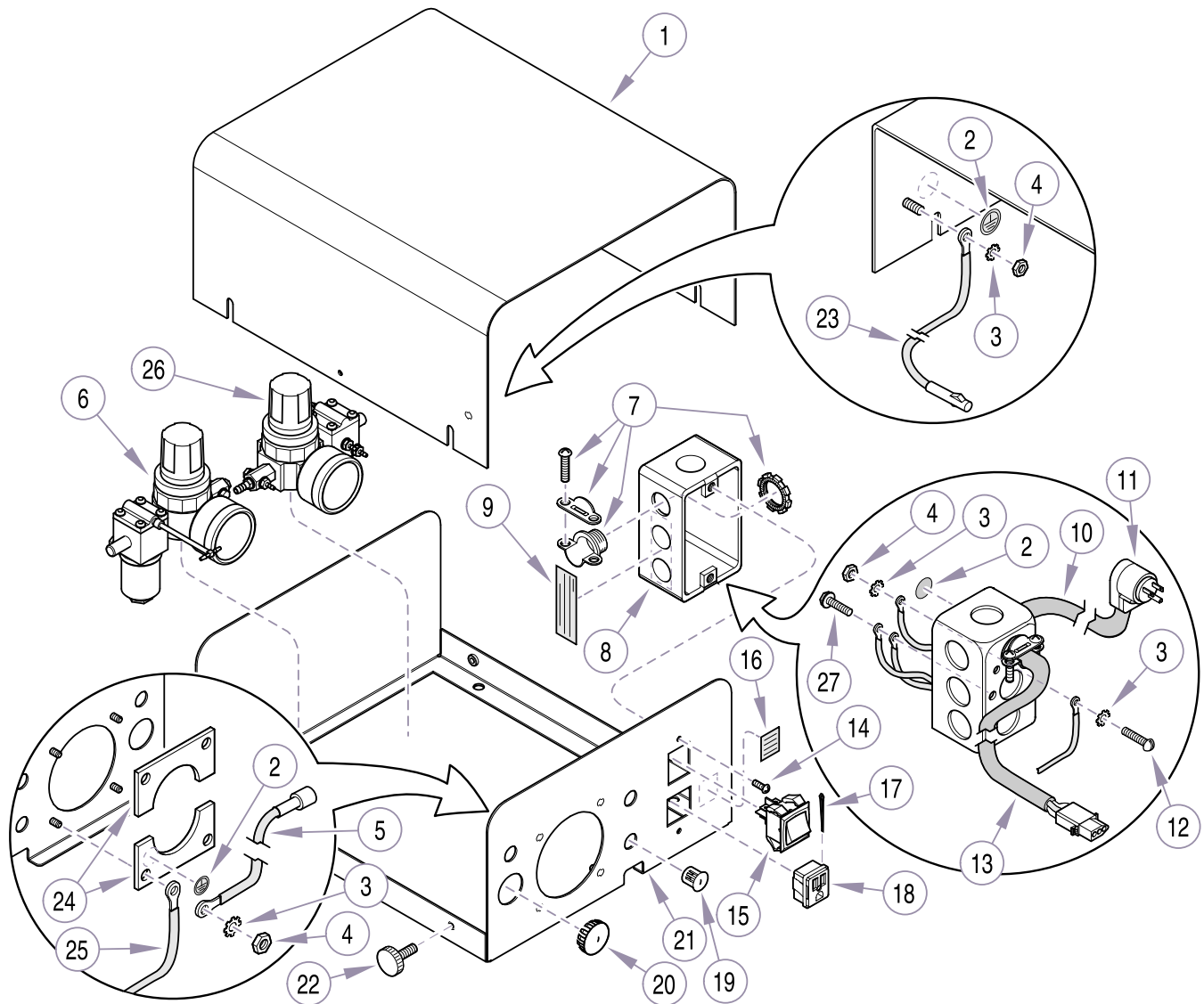
Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1	120244-1	Cover, Small J Box.....	1	14	117821	Screw	2
2	112504	Ground Identification Label.....	4	15	122121	Switch, Modified	1
3	P14718	Lockwasher.....	5	16	061-0845-00	Receptacle Rating Label.....	1
4	P507	Nut	5	17	122447	Cotter Pin	2
5	152745	Female Ground Wire Assembly	1	18	151846	Receptacle Assembly.....	1
6	152149	Refer to " Water Valve Assembly ".....	Ref	19	120236	1/2" Plug Button, White	3
7	102980	3/8" Die Cast Connector Clamp.....	2	20	121872-1	1" Plug Button, White	1
8	121533	Jiffy Box, Electrical.....	1	21	122085-1	Chassis, Small J Box.....	1
9	300041	Warning Label, Separate Circuit.....	1	22	149730	Thumb Screw Assembly.....	4
10	152774	120V Power Stub Cable.....	1	23	152746	Male Ground Wire Assembly.....	1
11	122618	120V HG Plug.....	1	24	120995-00	Umbilical Retainer Plate	2
12	156101	Screw.....	1	25	121217-1	Umbilical Retainer Plate	1
13	153010	Umbilical Stub.....	1	26		Refer to " Valve Block Assembly ".....	Ref

Always Specify Model & Serial Number

Small Junction Box, 120V

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

KA925700

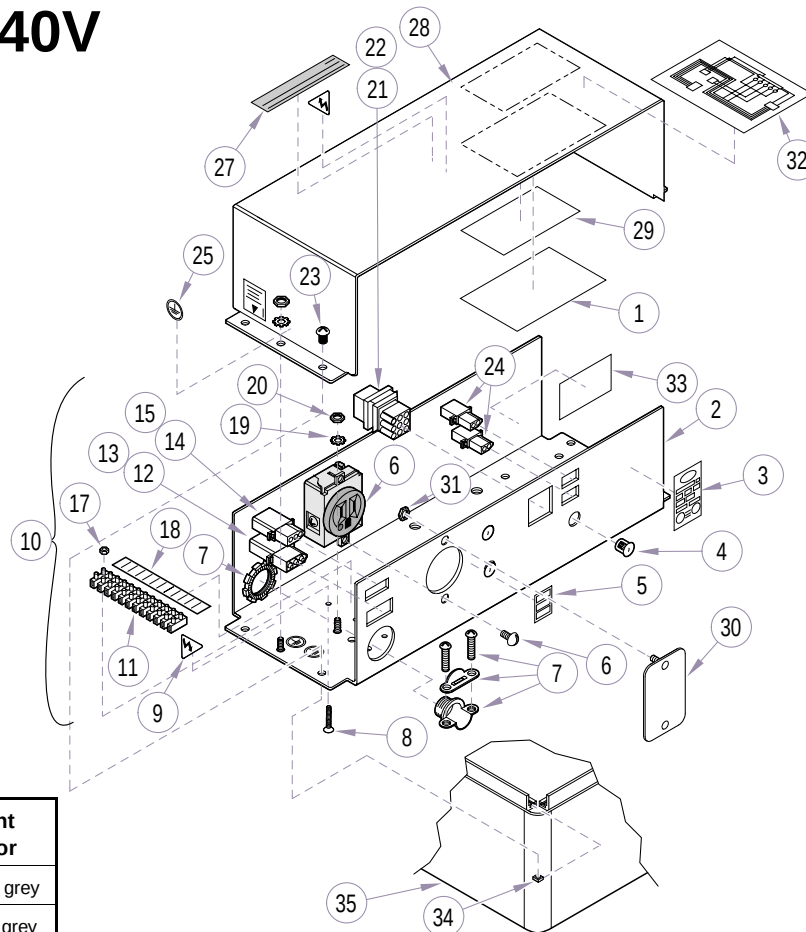
Applies to units with "PJ", "PL", "PK", & "PM" serial number prefix

Item	Part No.	Description	Page	Item	Part No.	Description	Page
1	050-5050-50	Cover, Small J Box.....	1	14	117821	Screw	2
2	112504	Ground Identification Label.....	4	15	122121	Switch, Modified	1
3	P14718	Lockwasher.....	5	16	061-0845-00	Receptacle Rating Label.....	1
4	P507	Nut.....	5	17	122447	Cotter Pin	2
5	152745	Female Ground Wire Assembly	1	18	151846	Receptacle Assembly.....	1
6		Refer to " Water Valve Assembly ").....	Ref	19	120236-50	1/2" Plug Button, White	3
7	102980	3/8" Die Cast Connector Clamp.....	2	20	121872-00	1" Plug Button, White	1
8	121533	Jiffy Box, Electrical.....	1	21	050-5049-00	Chassis, Small J Box.....	1
9	300041	Warning Label, Separate Circuit.....	1	22	149730	Thumb Screw Assembly.....	4
10	015-1632-00	120V Power Stub Cable.....	1	23	152746	Male Ground Wire Assembly.....	1
11	122618	120V HG Plug.....	1	24	120995-2	Umbilical Retainer Plate	2
12	156101	Screw.....	1	25	151847	Ground Wire Assembly	1
13	152772-01	Umbilical Stub.....	1	26		Refer to " Air Control Assembly ")	Ref

Always Specify Model & Serial Number

Accessory Power Chassis (APC), 120V & 240V

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

KA919601

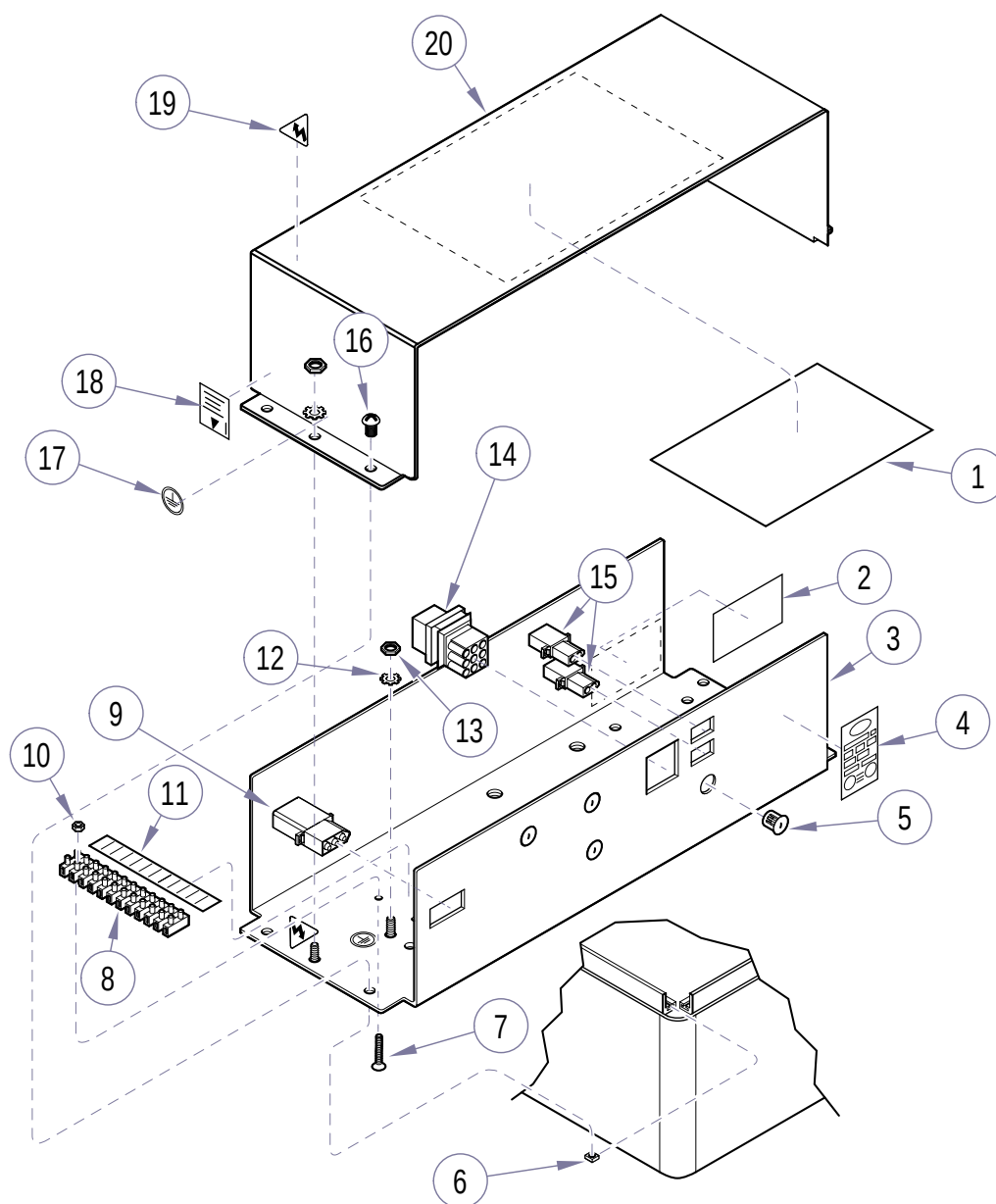
**Applies to units w/serial numbers PJ1000 thru PJ1869 & PK1000 thru PK 1041
PL1000 thru PL1571 & PM1000 thru PM1163**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
		120V APC Assm. (incl. items 1 thru 28)		15	• • 101949	• • Socket Terminal (not shown)	3
	152964	(sterling)	1	16	• • P17087	• • #10 Ring Terminal (not shown)	2
	152964-01	(pebble)	1	17	• P12479	• Nut	3
		240V APC Assm. (incl. items 1 thru 31)		18	• TPW1662	• Terminal Block Label	1
	152971	(sterling)	1	19	• P14718	• Lockwasher (120 VAC)	5
	152971-01	(pebble)	1		• P14718	• Lockwasher (240 VAC)	4
1	• TPW1601	• 120V APC Wiring Diagram	1	20	• P507	• Nut (120 VAC)	5
	• TPW1602	• 240V APC Wiring Diagram	1		• P507	• Nut (240 VAC)	4
2	• 122387-1	• Chassis (sterling)	1	21	• 102014	• 9-Circuit Receptacle	1
	• 122387-50	• Chassis (pebble)	1	22	•	• Socket Terminal (not shown)	5
3	• TPW1681	• 120 V APC Rating Label	1	23	• 105480	• Screw	2
4	• 120236	• 1/2" Plug Button (sterling)	3	24	• 111587	• Connector, 2 Circuit	2
	• 120236-50	• 1/2" Plug Button (pebble)	3	25	• 112504	• Ground Identification Label (120 VAC)	5
5	• 061-0845-00	• 115V Power Rating Label	1		• 112504	• Ground Identification Label (120 VAC)	4
6	• 122586	• 120 V HG Outlet (includes screws)	1	26	• 115896	• 4" Cable Tie (not shown)	1
7	• 102980	• Connector, 3/8" Die Cast w/Locknut	1	27	• 134969	• Caution Label	1
8	• 122630	• Screw (Apply Loctite* 042-0024-00) ...	3	28	• 122388-1	• APC Cover (sterling)	1
9	• TPW1459	• High Voltage Warning Label	2		• 122388-50	• APC Cover (pebble)	1
10	• 152967	• 120 VAC Block Assy (includes items 11 thru 16 plus wires)	1	29	• TPW1682	• 240 V APC Rating Label	1
	• 152968	• 240 VAC Block Assy (includes items 11 thru 16 plus wires)	1	30	• 122622-1	• Cover Plate (sterling)	1
					• 122622-50	• Cover Plate (pebble)	1
11	• • 119972	• 10 Pole Terminal Block	1	31	• 122358	• Nut	1
12	• • 122410	• 3-Circuit Plug	1	32	TP1624	Model L Light Wiring Diagram	1
13	• • 101928	• Pin Terminal (not shown)	3	33	TP1628	APC ID Label	1
14	• • 122409	• 3-Circuit Receptacle	1	34	117358	Nut	2
				35		J-Box Frame Assm.	Ref

Always Specify Model & Serial Number

Accessory Power Chassis (APC), 120V & 240V

SECTION VI PARTS LIST



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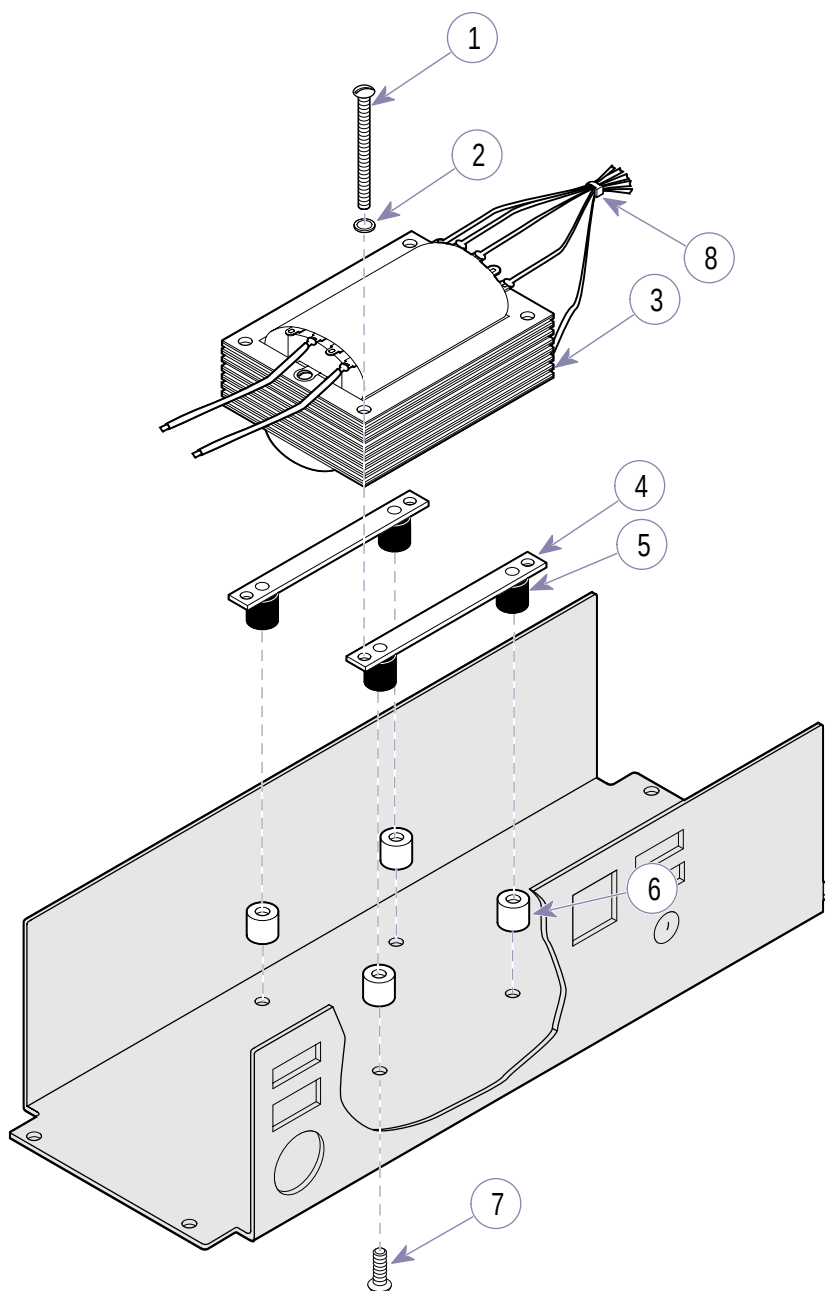
Applies to units w/serial numbers PJ1870, PK1042, PL1572, & PM1164 thru Present

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	003-1279-00	Wiring Diagram (120 VAC).....	1	10	041-0006-01	Nut.....	2
	003-1280-00	Wiring Diagram (240 VAC).....	1	11	061-0838-00	Terminal Block Label	1
2	061-0834-00	APC ID Label	1	12	P14718	Lockwasher	3
3	029-2849-00	Chassis.....	1	13	P507	Nut.....	3
4	TPW1681	APC Rating Label (120 VAC).....	1	14	102014	Receptacle (9 pin connector)	1
	TPW1682	APC Rating Label (240 VAC).....	1	15	111587	Receptacle (2 pin connector)	2
5	053-0050-11	Hole Plug	AR	16	105480	Screw	2
6	117358	Nut	2	17	061-0653-00	Ground Label	1
7	040-0006-73	Screw.....	2	18	TPW1632	APC Shipping Label	1
8	015-1373-01	Terminal Block	1	19	061-0654-00	Caution Label	2
9	015-1591-00	APC Plug Connector Harness.....	1	20	122388-50	Cover.....	1

Always Specify Model & Serial Number

Light Transformer Assembly

SECTION VI PARTS LIST



KA916500

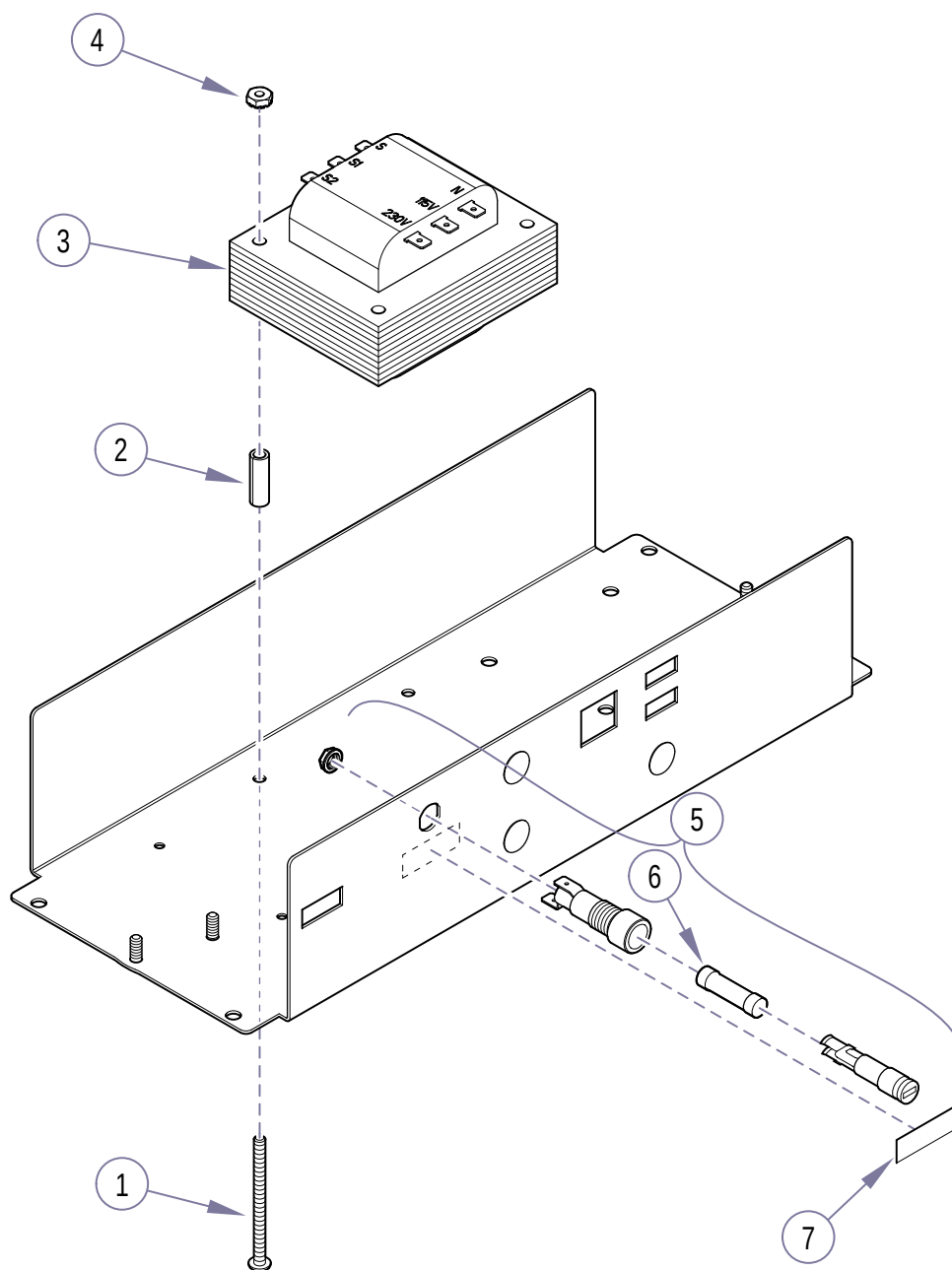
**Applies to units w/serial numbers PJ1000 thru PJ1869 & PK1000 thru PK 1041
PL1000 thru PL1571 & PM1000 thru PM1163**

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	153012	Light Transformer Assy - 120 VAC	1	5	• • 116420	• • Vibration Isolator.....	4
1	• 121277	• Screw	4	6	• 121719	• Transformer Spacer (Apply Instant Adhesive #275392)	4
2	• P391	• Washer.....	4	7	• 121766	• Screw	4
3	• 150003	• Transformer, 120 VAC	1	8	• 115896	• Cable Tie	1
4	• 152490	• Strip Assembly (Studs)	2				

Always Specify Model & Serial Number

Light Transformer Assembly

SECTION VI PARTS LIST



DA110900i

Applies to units w/serial numbers PJ1870, PK1042, PL1572, & PM1164 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	040-0010-150	Screw	4	7	061-0808-00	Fuse Replacement Label	1
2	016-0138-16	Spacer	4	8	015-0737-17	Jumper Wire (brown, 3") - <i>not shown</i>	1
3	015-1506-00	Transformer 120/240 VAC	1	9	015-0737-16	Jumper Wire (brown, 7") - <i>not shown</i>	1
4	122357	Nut.....	4	10	015-0737-15	Jumper Wire (blue, 10") - <i>not shown</i>	1
5	015-1259-02	Fuse Holder	1	11	015-0708-29	Jumper Wire (red) - <i>not shown</i>	1
6	015-0346-00	Fuse (3 AG, Slo-Blo, 1.5 amp, 250V)	1	12	015-0708-28	Jumper Wire (black) - <i>not shown</i>	1

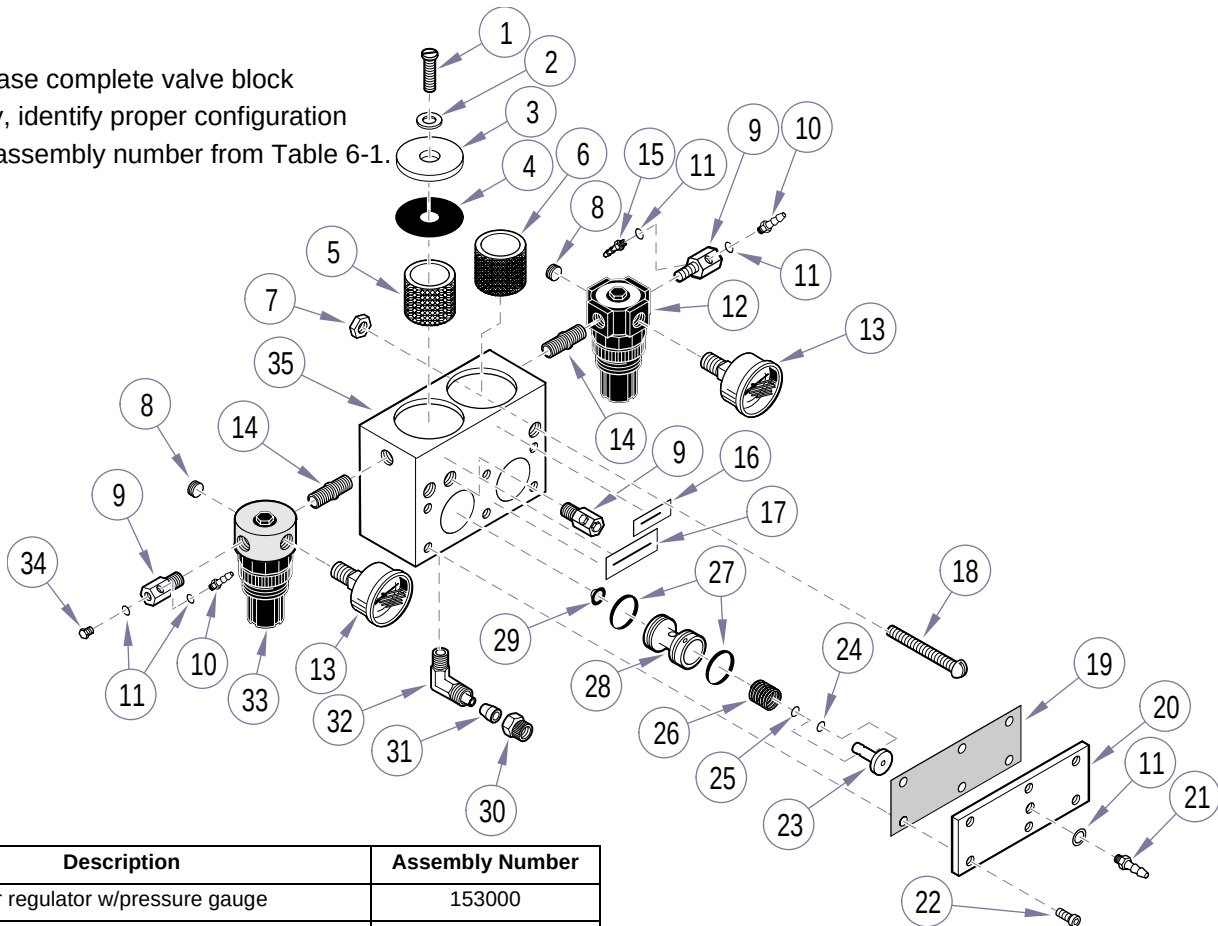
Always Specify Model & Serial Number

Valve Block Assembly

SECTION VI PARTS LIST

NOTE:

To purchase complete valve block assembly, identify proper configuration and use assembly number from Table 6-1.



Description	Assembly Number
Air regulator w/pressure gauge	153000
Air regulator, water regulator w/pressure gauges	151723
Air regulator, water regulator w/o pressure gauges (For all units except Floor Mounted Consoles)	152138
(For Floor Mount Consoles only)	153262

KA923000

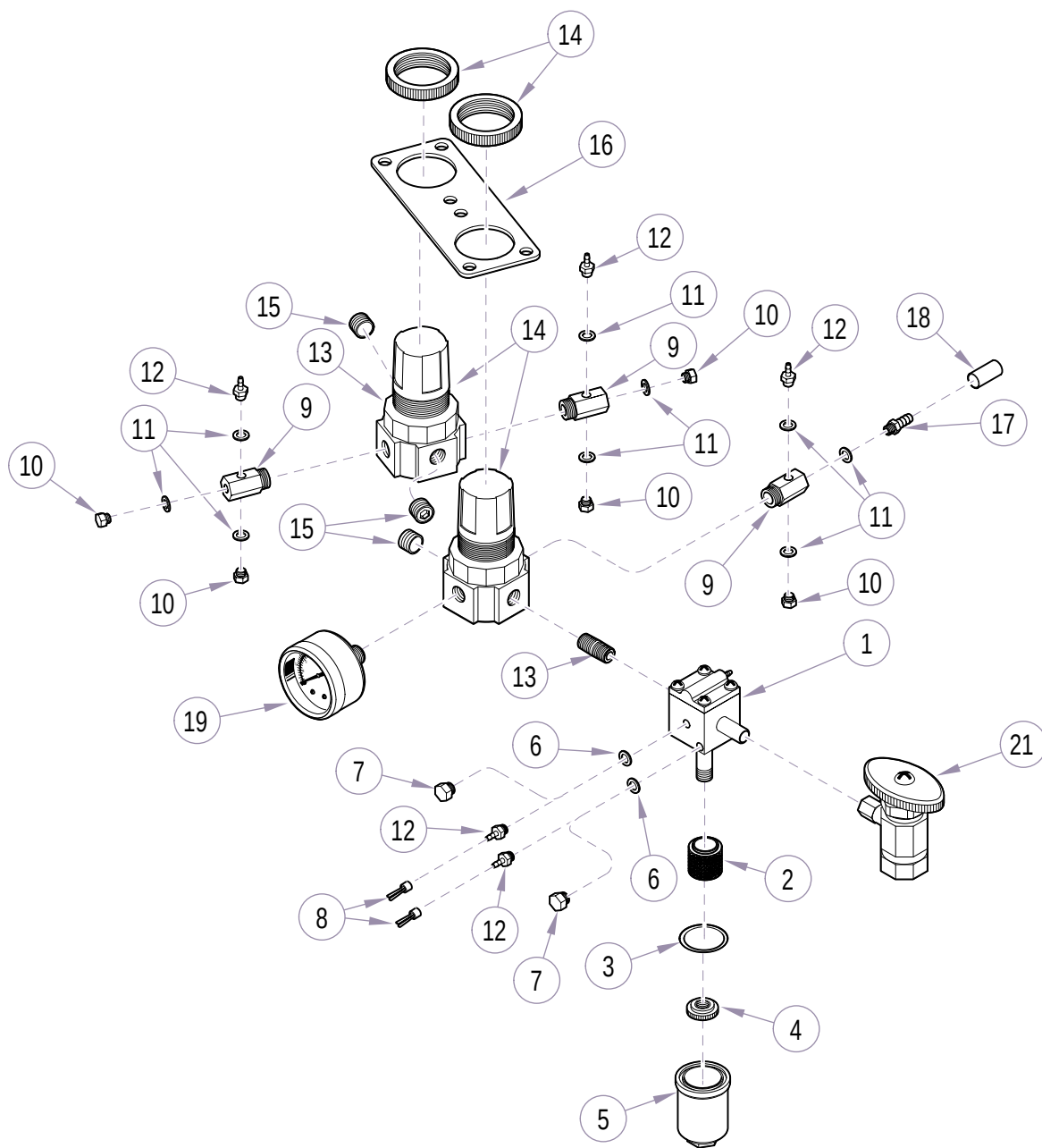
Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	117341	Screw	2	22	P5708	Screw.....	6
2	117660	Gasket.....	2	23	117343	Valve Stem	2
3	117339-2	Filter Retainer Disc	2	24	014-0176-44	O-Ring (Coat with 185165, Super O-Lube)	2
4	117340	Gasket.....	2	25	117661	O-Ring	2
5	117348	Water Element, Course.....	1	26	117345	Spring	2
6	117347	Air Element, Fine	1	27	C5872	O-Ring (Coat with 185165, Super O-Lube)	4
7	P507	Nut	2	28	117344	Valve Insert.....	2
8	117662	Plug, 1/8" Pipe	2	29	117346	Filter.....	2
9	117352	Fitting	3	30	P17705	Flow Nut	2
10	109714	Fitting (Apply 042-0024-00, Loctite*)	4	31	P17704	Flow Sleeve	2
11	117660	Gasket.....	11	32	137909	Elbow.....	2
12	145756	Air Regulator	1	33	145349	Water Regulator.....	1
	• 149725	• Repair Kit (Includes: diaphragm, plunger, small spring, o-ring, nut)	1		• 135880	• Repair Kit (Includes: diaphragm, plunger, small spring, o-ring, nut).....	1
13	122841	Pressure Gage.....	2	34	117351	Plug (Apply 042-0024-00, Loctite*).....	6
14	P16629	Nipple	2	35	117337-2	Valve Block	1
15	117349	Fitting	1	36	TPW1302	3/8" Poly Flow Connection Instruction Sheet For Air and Water Supply (Not Shown)	1
16	122159	Label, International Air Symbol	1				
17	122160	Label, International Water Symbol	1	37	151113	Valve Block Assy Repair Kit (Includes Items 2,4,5,6,18,24,25,27, and 29).....	Ref
18	P9216	Screw	2				
19	117342	Diaphragm	1				
20	117338-2	Diaphragm Cover	1				
21	109714	Fitting	1				

Always Specify Model & Serial Number

Air Control Assembly

SECTION VI PARTS LIST



KA957400i

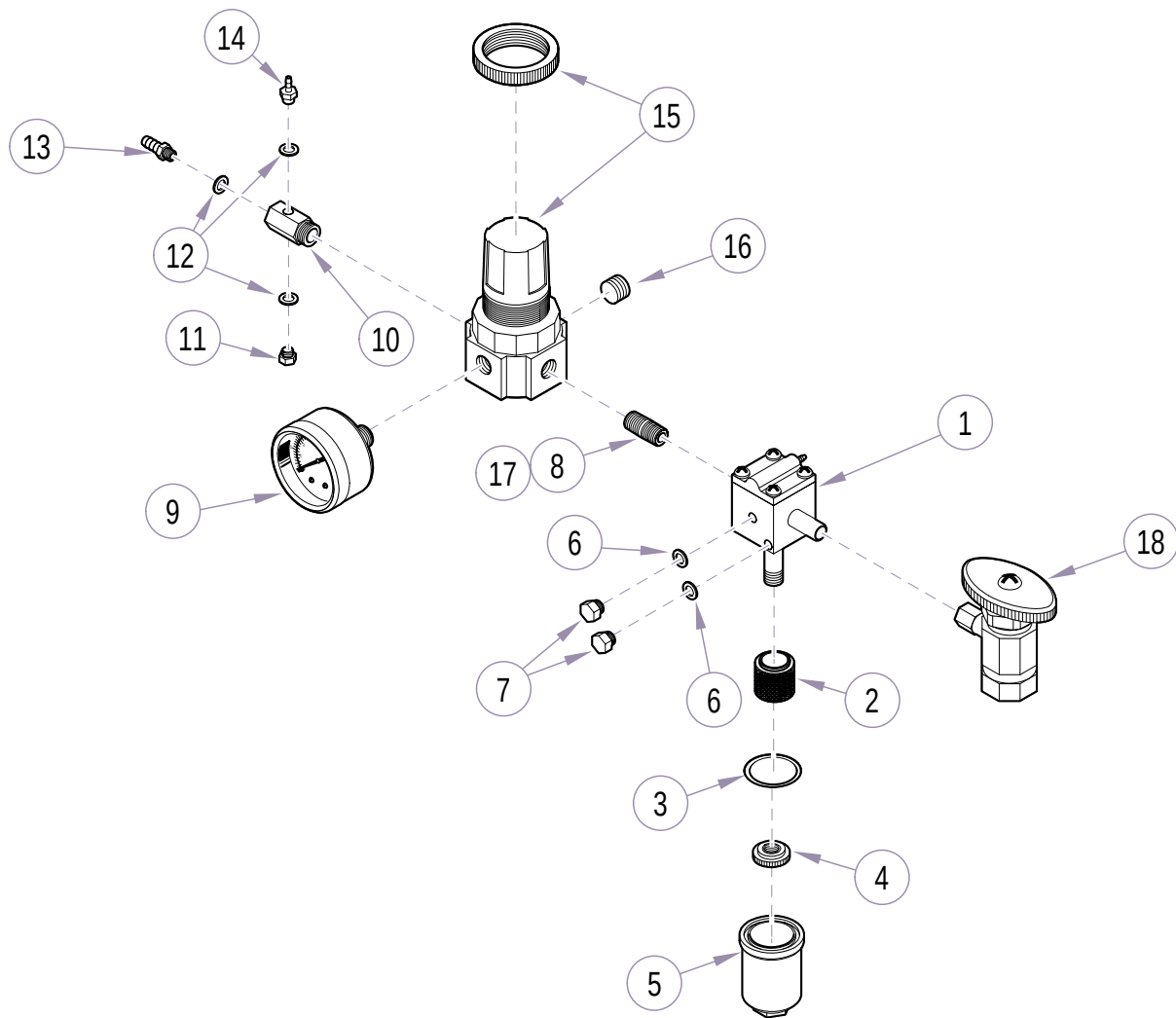
Applies to units with "PJ", "PL", & "PK" serial number prefix

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	029-2480-00	Air Control Assembly (Includes Items 1 thru 21)	1	11	• 117660	• Gasket	9
1	• 029-2535-00	• Master Shutoff Valve Assembly (Includes Items 2 thru 7)	1	12	• 109714	• Barb Fitting	5
2	• • 053-1166-00	• MSO Filter - 40 Micron	1	13	• P16629	• Nipple (Apply Adhesive* #042-0024-00)	1
3	• • 014-0176-45	• O-Ring	1	14	• 145756	• Air Regulator	2
4	• • 057-0606-00	• Filter Nut	1	15	• 117662	• Pipe Plug	3
5	• • 053-1167-00	• MSO Filter Housing	1	16	• 050-4816-00	• Regulator Mounting Plate	1
6	• • 117660	• Gasket	2	17	• 117349	• Fitting	1
7	• • 117351	• Brass Plug (Not Used)	2	18	• 177551	• Brown Tubing	1
8	• 117479	• Uni-Clamp	2	19	• 122841	• Round Pressure Gage	1
9	• 117352	• Fitting	3	20	• 120394	• Warning Tag (Not Shown)	1
10	• 117351	• Brass Plug	5	21	• 121275	• Stop Valve	1

Always Specify Model & Serial Number

Air Control Assembly

SECTION VI PARTS LIST



DA102300ii

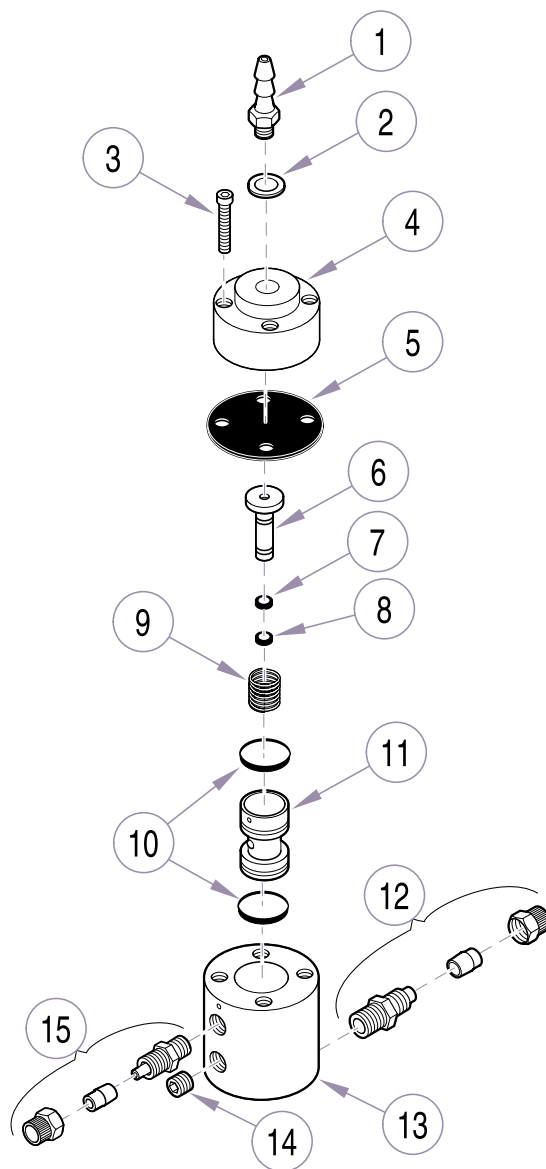
Applies to units with "PJ", "PL", "PK" & "PM" serial number prefix

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	029-2663-00	Air Control Assembly (Includes Items 1 thru 18)	1	9	• 122841	• Round Pressure Gage	1
1	• 029-2535-00	• Master Shutoff Valve Assembly (Includes Items 2 thru 7)	1	10	• 117352	• Fitting	3
2	• 053-1166-00	• MSO Filter - 40 Micron	1	11	• 117351	• Brass Plug	5
3	• 014-0176-45	• O-Ring	1	12	• 117660	• Gasket	9
4	• 057-0606-00	• Filter Nut	1	13	• 117349	• Fitting	1
5	• 053-1167-00	• MSO Filter Housing	1	14	• 109714	• Barb Fitting	5
6	• 117660	• Gasket	2	15	• 145756	• Air Regulator	2
7	• 117351	• Brass Plug (Not Used)	2	16	• 117662	• Pipe Plug	3
8	• P16629	• Nipple	1	17	• 042-0024-00	• Medium Stregth Adhesive	AR
				18	121275	Stop Valve	1

Always Specify Model & Serial Number

Water Valve Assembly

SECTION VI PARTS LIST



KA919800

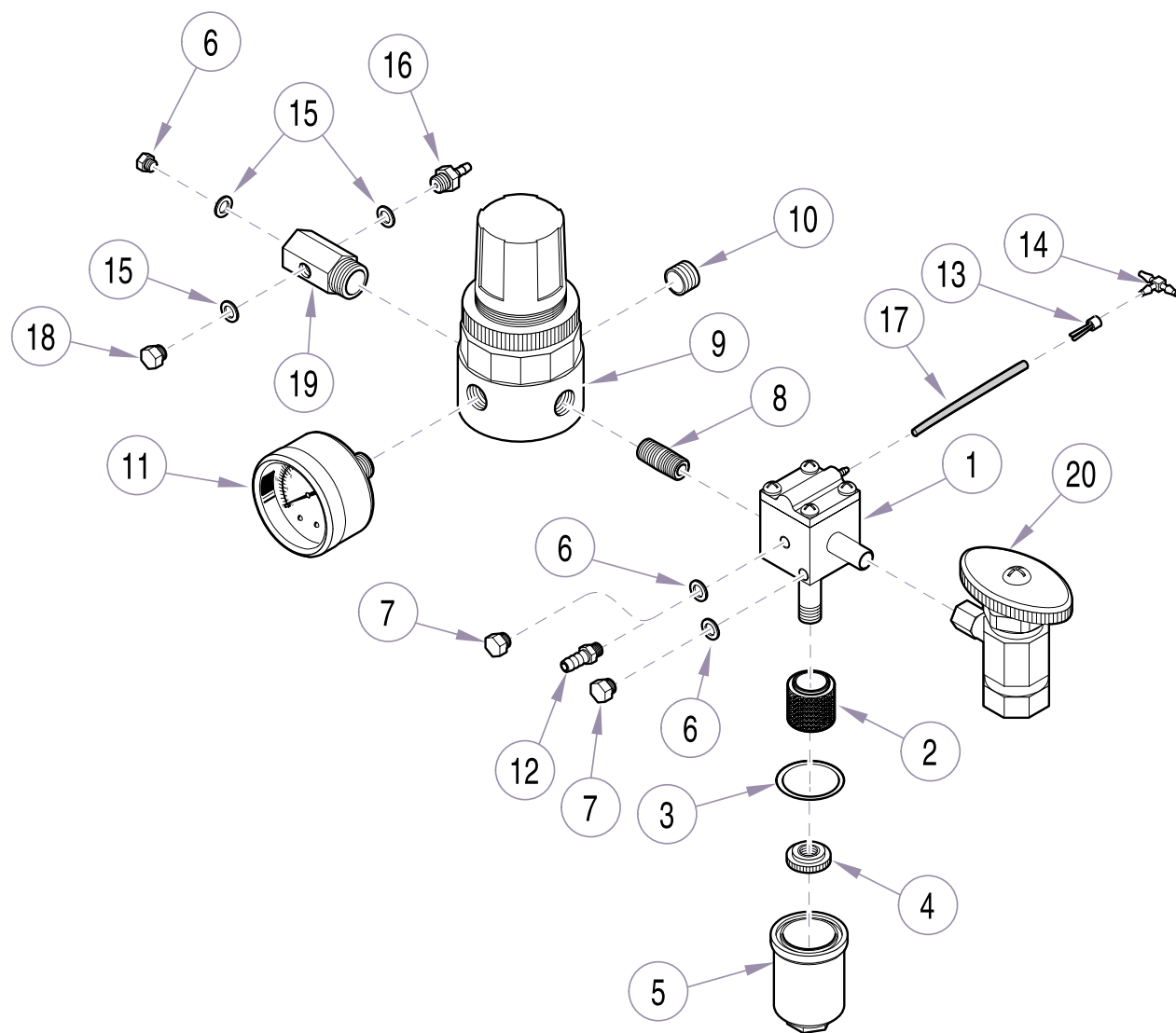
Applies to units with “UA”, “UC”, “UK”, & “UW” serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	109714	Fitting.....	1	10	C5872	O-Ring (Coat with 185165, Super O Lube)	2
2	117660	Gasket	1	11	117344	Valve Insert	1
3	120959	Screw.....	4	12	121084	Fitting, Male Connector (Apply 042-0024-00, Loctite*)	1
4	118790	Valve Cap	1	13	118788-2	Water Valve Housing	1
5	118789	Diaphragm	1	14	117662	1/2" Pipe Plug (Apply 042-0024-00, Loctite*)	1
6	117343	Valve Stem.....	1	15	100740	Fitting, Male Connector (Apply 042-0024-00, Loctite*)	1
7	014-0176-44	O-Ring (Coat with 185165, Super O Lube).....	1	16	152706	Water Saver Block Repair Kit (Includes Items 5,6,7,8,9,10,11).....	1
8	117661	O-Ring (Coat with 185165, Super O Lube).....	1				
9	117345	Valve Spring.....	1				

Always Specify Model & Serial Number

Water Valve Assembly

SECTION VI PARTS LIST



KA957500

Applies to units with "PJ", "PL", "PK", & "PM" serial number prefix

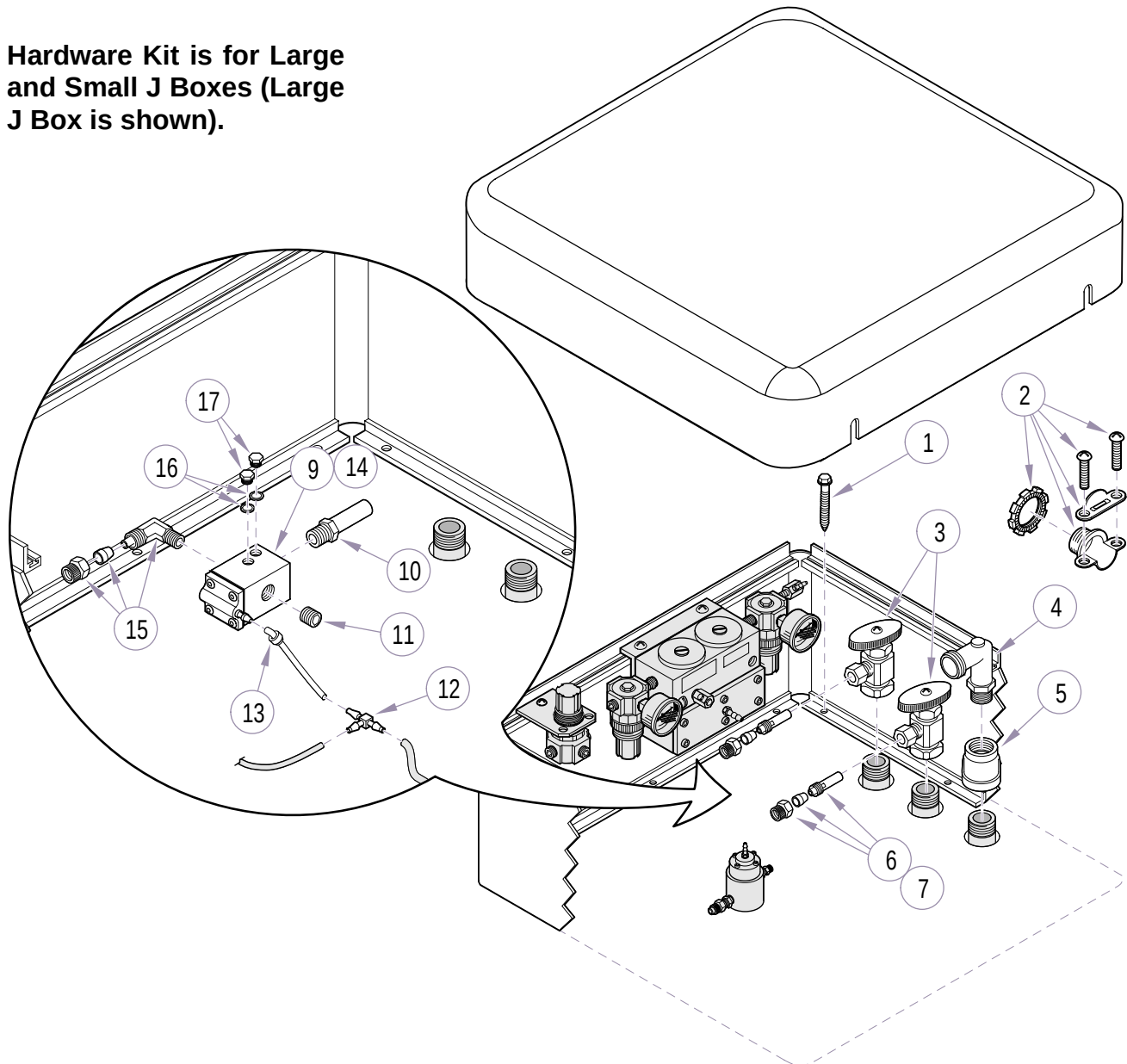
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	029-2481-00	Water Control Assembly (Includes Items 1 thru 19)	1	9	• 145349	• Water Regulator	1
1	• 029-2535-00	• Master Shutoff Valve Assembly (Includes Items 2 thru 7)	1	10	• 117662	• Pipe Plug	1
2	• 053-1166-00	• MSO Filter - 40 Micron	1	11	• 122841	• Round Pressure Gage	1
3	• 014-0176-45	• O-Ring	1	12	• 117352	• Fitting	1
4	• 057-0606-00	• Filter Nut	1	13	• 117479	• Uni-Clamp	1
5	• 053-1167-00	• MSO Filter Housing	1	14	• 117477	• Barb "T" Fitting	1
6	• 117660	• Gasket	2	15	• 117660	• Gasket	3
7	• 117351	• Brass Plug (Only One Used)	2	16	• 109714	• Barb Fitting	1
8	• P16629	• Nipple (Apply Loctite* #042-0024-00)	1	17	• 177531	• Red Tubing	1
				18	• 117351	• Brass Plug	1
				19	• 121275	• Stop Valve	1

Always Specify Model & Serial Number

Junction Box Hardware Kit

SECTION VI PARTS LIST

Hardware Kit is for Large and Small J Boxes (Large J Box is shown).



KA919900

Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

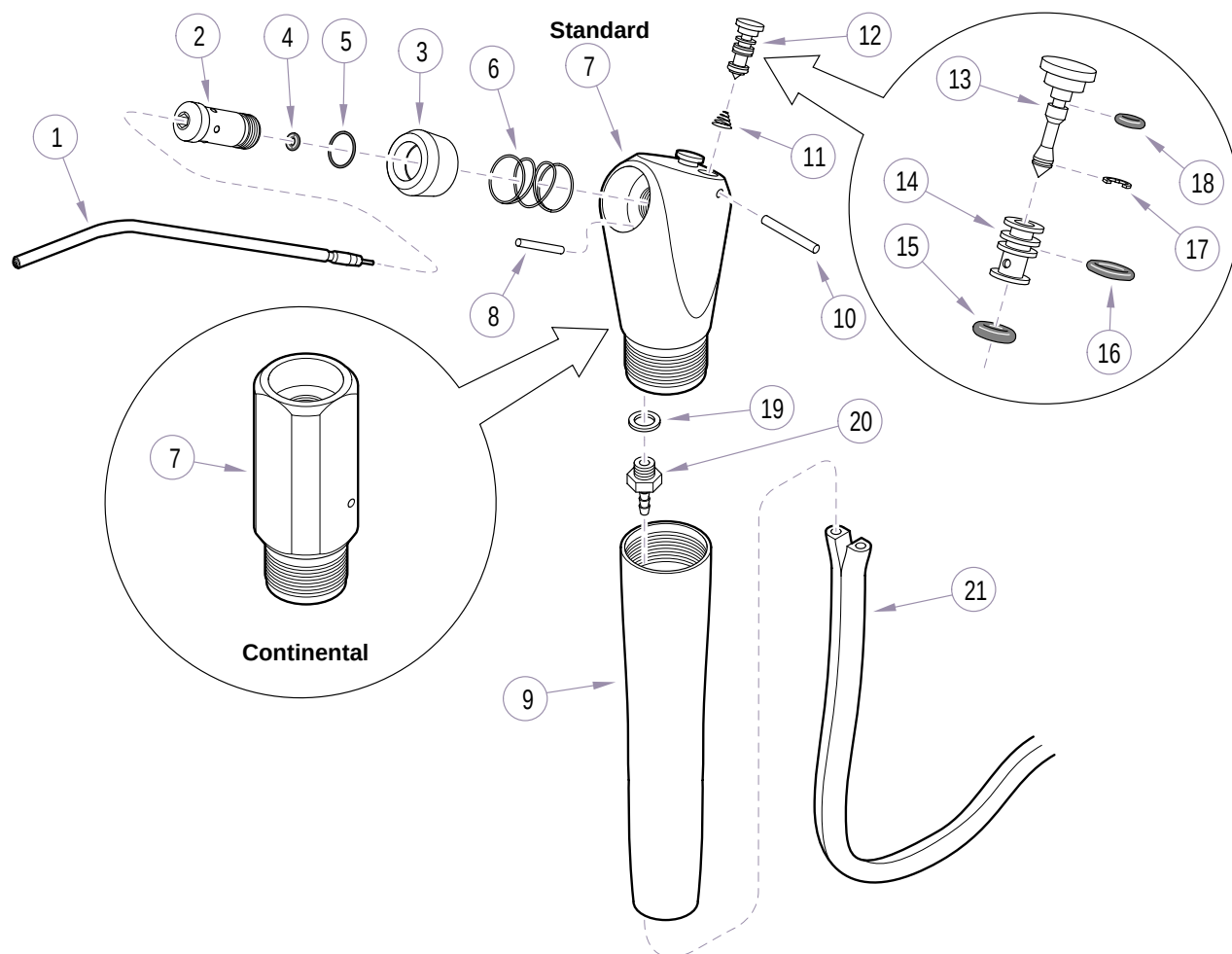
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	106009	Lag Bolt.....	4	13	• 117479	• Uni-Clamp, 1/8" O.D. Tube.....	4
2	102980	3/8" Die Cast Connector Clamp.....	1	14	• 123049	• 2-Way N.C. Pilot Operated Valve.....	1
3	121275	Stop Valve.....	2	15	• 137909	• Elbow (Apply 042-0024-00, Thread Sealant).....	1
4	105547	Waste Elbow.....	1	16	• 117660	• Gasket.....	2
5	111506	Adapter.....	1	17	• 117351	• Plug (Apply 042-0024-00, Thread Sealant).....	2
6	153016	Poly Fitting Kit.....	1	18	117349	Fitting (Not Shown).....	2
7	• 122427	• 3/8" Poly Tube Fitting (Apply 042-0024-00, Thread Sealant).....	2	19	117479	Uni-Clamp, 1/8" O.D. Tube (Not Shown).....	10
8	• TPW1619	• Fitting Installation Instructions (Not Shown).....	1	20	117480	1/8" Sleeve (Not Shown).....	5
9	153353	Water Master Valve Assembly.....	1	21	117660	Gasket (Not Shown).....	5
10	• 123050	• Fitting.....	1	22	P9331	Wire Nut, Large Yellow (Not Shown).....	3
11	• 117662	• Pipe Plug (Apply 042-0024-00, Thread Sealant).....	1	23	P9995	Wire Nut, Small Grey (Not Shown).....	4
12	• 117477	• Tee.....	1				

Always Specify Model & Serial Number

Quick Clean Standard Syringe & Quick Clean Continental Syringe

The 120796 is the standard syringe supplied with the International Delivery units.

The 120795 is the standard syringe supplied with the Asepsis 21™ Delivery units.



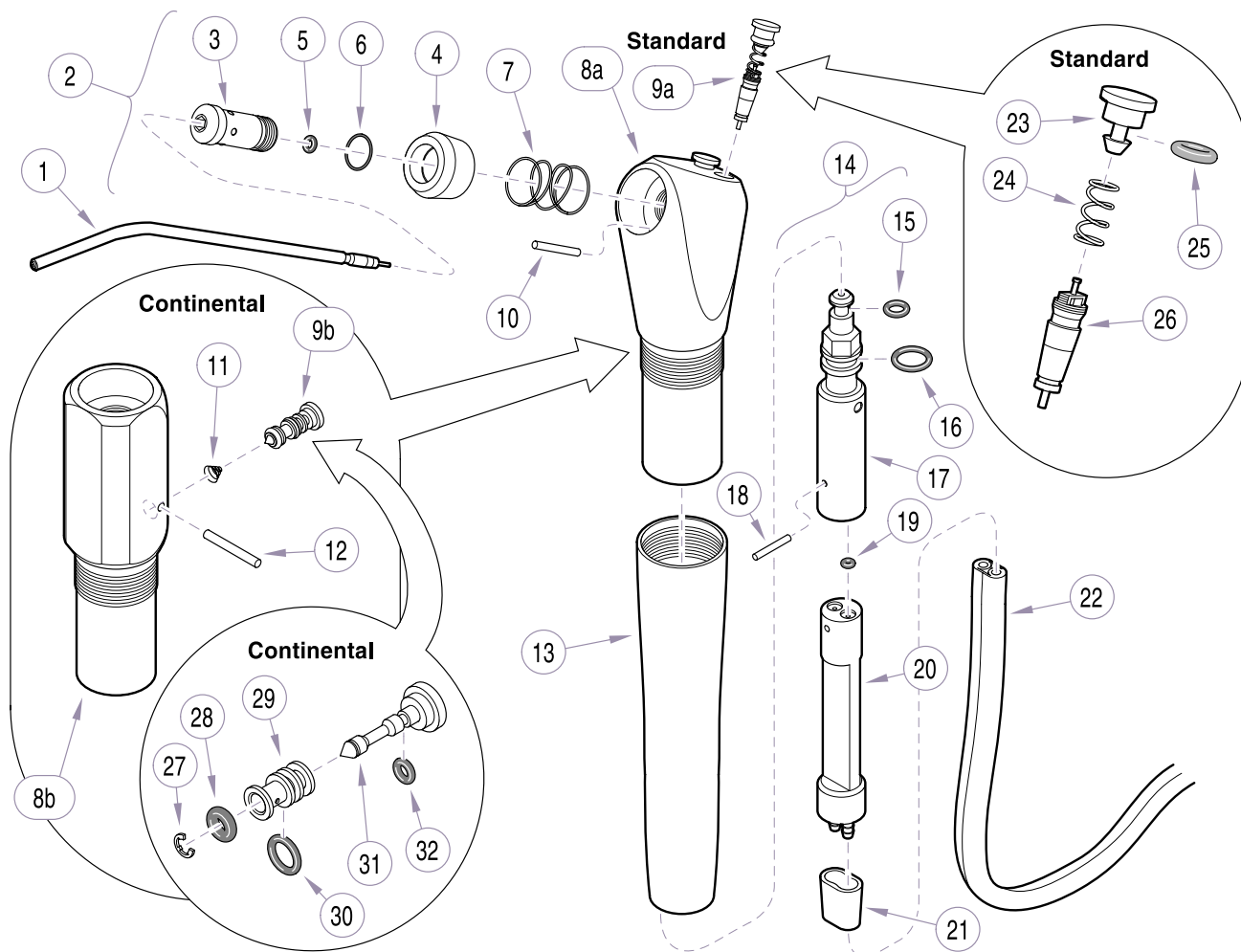
KA926200

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
	120795	Quick Clean Standard Syringe	Ref	11	•	• Spring, Syringe Button (DCI# 9670) ...	1
	120796	Quick Clean Continental Syringe	Ref	12	• 152055	• Button Cartridge Kit (Includes Items 13 Thru 18) Note: This kit Includes Two 120903 Button Cartridges	1
1	• 120514	• Syringe Tip	1	13	• •	• • Button Valve	2
2	•	• Tip Adapter Assembly (DCI# 3065) (Includes Item 3)	1	14	• •	• • Valve	2
3	• •	• • Tip Collar	1	15	• •	• • O-Ring (Pkg of 12) (DCI# 2203)	2
4	•	• O-Ring (Pkg of 12) (DCI# 2255)	1	16	• •	• • O-Ring (Pkg of 12) (DCI# 2212)	2
5	•	• O-Ring (Pkg of 12) (DCI# 2202)	1	17	• •	• • Retaining Ring (DCI# 9601)	2
6	•	• Spring, Tip Adapter (DCI# 9677)	1	18	• •	• • O-Ring (Pkg of 12) (DCI# 2211)	2
7	•	• Syringe Body	1	19	• 117660	• Gasket, Sealing	2
8	•	• Pin, Tip Adapter (DCI# 9659)	1	20	•	• Barb Fitting (Pkg of 10) (DCI# 0084) ..	2
9	•	• Handle, Syringe (DCI# 3491)	1	21		Syringe Tubing (Refer to appropriate Asepsis 21 or International Syringe Tubing page	Ref
10	•	• Pin [Standard (DCI# 9648)]	1				
		• Pin [Continental (DCI# 9651)]	1				

Always Specify Model & Serial Number

AutoClavable Standard Syringe & AutoClavable Continental Syringe

SECTION VI PARTS LIST



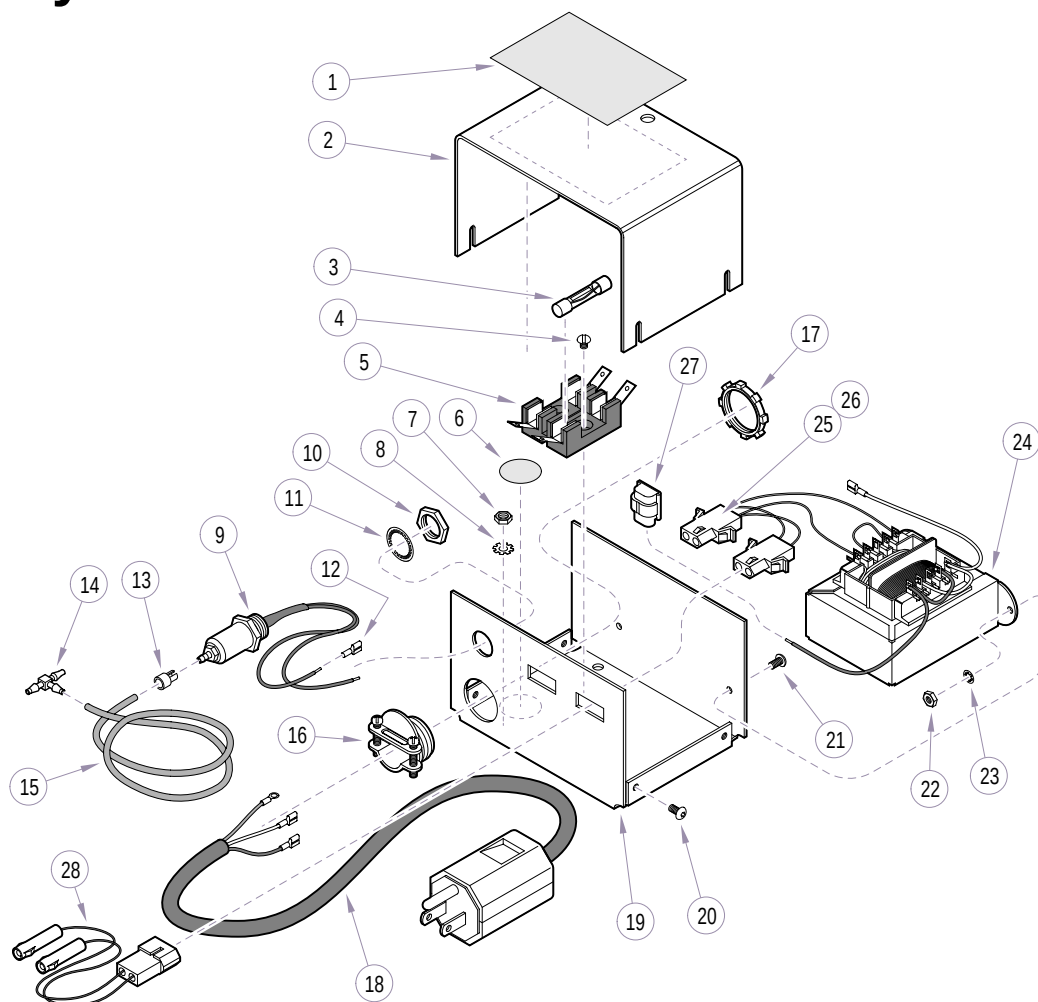
KA932600

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
	121143	AutoClavable Standard Syringe.....	Ref	14		Quick Disconnect Assy (DCI# 3320) (Includes Items 15 Thru 21).....	1
	121279	AutoClavable Continental Syringe	Ref	15	•	• O-Ring (Pkg of 12) (DCI# 2203)	1
1		Syringe Tip (DCI# 3060)	1	16	•	• O-Ring (Pkg of 12) (DCI# 2260)	1
2				17	•	• Quick Disconnect Housing.....	1
3		Tip, AutoClavable Adapter Assy (DCI# 3071) (Includes Item 4)	1	18	•	• Pin.....	1
4	•	• Tip Collar	1	19	•	• O-Ring (Pkg of 12) (DCI# 2230)	2
5		O-Ring (Pkg of 12) (DCI# 2252)	1	20	•	• Quick Disconnect Piston.....	1
6		O-Ring (Pkg of 12) (DCI# 2259)	1	21		Tubing Sleeve (DCI# 3036)	1
7		Spring, Tip Adapter (DCI# 9677)	1	22		Syringe Tubing (Refer to appropriate Asepsis 21 or International Syringe Tubing page	Ref
8a		Syringe Body, AutoClavable Standard ...	1	23		Button	2
8b		Syringe Body, AutoClavable Continental	1	24		Spring, Syringe Button (DCI#9674).....	1
9a		Button Cartridge Kit, Standard (DCI# 3077) (Includes Items 23 Thru 26).....	2	25		O-Ring (Pkg of 12) (DCI#2266).....	1
9b		Button Cartridge Kit (DCI# 3086) (Includes Items 27 Thru 32)	2	26		Valve Core (Pkg of 10) (DCI# 3090).....	1
10		Pin, Tip Adapter (DCI# 9659)	1	27		Retaining Ring (DCI# 9601)	1
11		Spring, Syringe Button (DCI# 9670) (Applies to Continental Syringe Only) .	1	28		O-Ring (Pkg of 12) (DCI# 2242).....	1
12		Pin, Syringe Button (DCI# 9651) (Applies to Continental Syringe Only) .	1	29		Valve.....	1
13		Handle, AutoClavable Syringe (DCI# 3074)	1	30		O-Ring (Pkg of 12) (DCI# 2264).....	1
				31		Button Cartridge.....	1
				32		O-Ring (Pkg of 12) (DCI# 2263).....	1

Always Specify Model & Serial Number

Heated Syringe Power Supply- Externally Mounted

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK	pebble grey

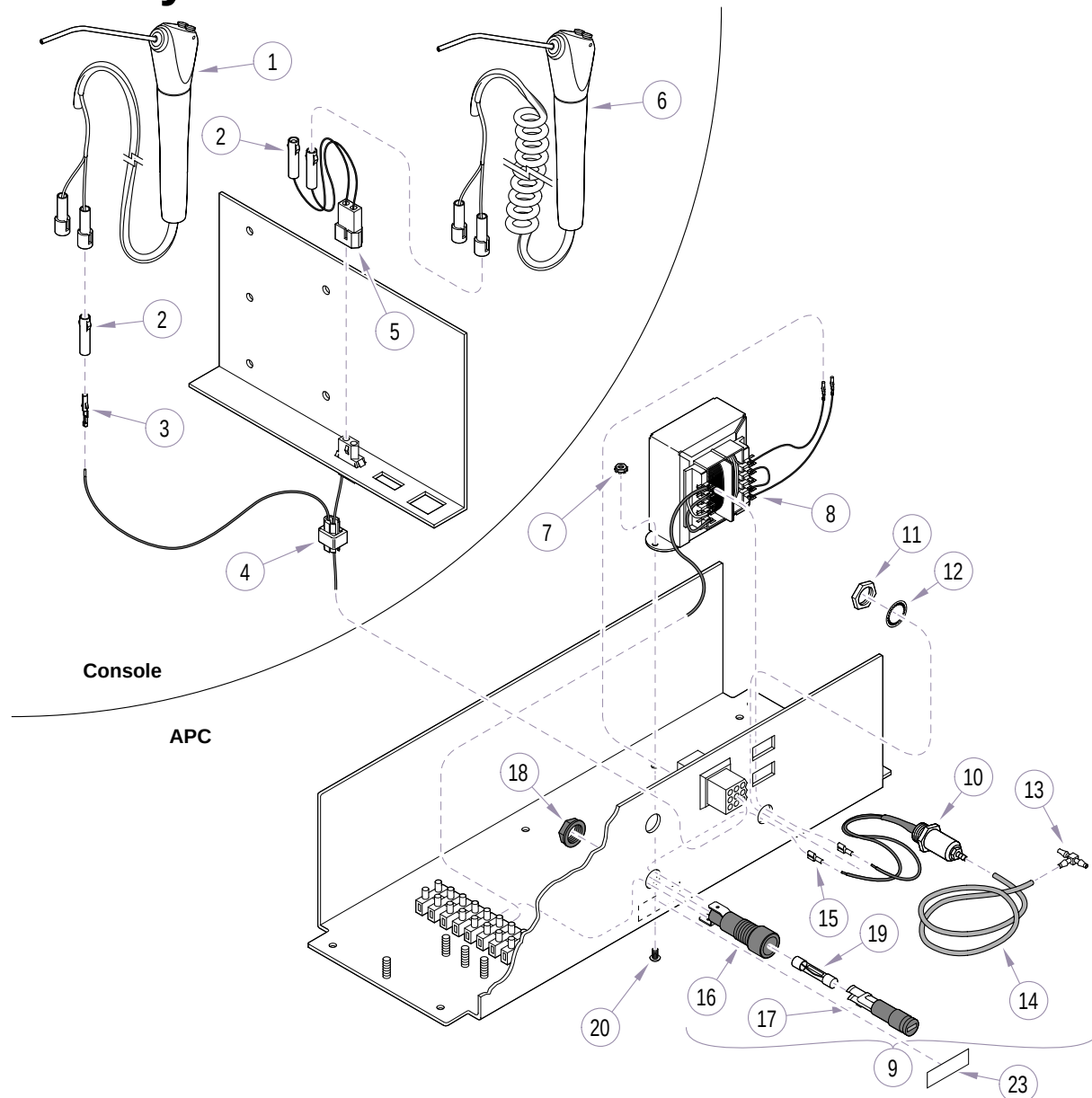
KA930100

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	TP1102	115 V Power Supply Label (Used on 115V Units)	1	14	117477	Fitting, Tee	1
	TP1101	230 V Power Supply Label (Used on 230V Units).....	1	15		Refer to "Internal Tubing"	Ref
2	120491	Cover (sterling)	1	16	102980	Connector (Includes Item 17)	1
	120491-50	Cover (pebble)	1	17	•	• Locknut	
3	120840	1/2 Amp Fuse (Used on 115V Units)	2	18	151854	Power Cord, 115 VAC.....	1
	120499	1/4 Amp Fuse (Used on 230V Units)	2		151855	Power Cord, 230 VAC.....	1
4	103205	Screw.....	2	19	120490-1	Chassis (sterling)	1
5	120498	Fuse Holder	1		120490-50	Chassis (pebble).....	1
6	112504	Label Ground Identification.....	1	20	119905	Screw	4
7	P507	Nut	1	21	117821	Screw	2
8	P14718	Lockwasher.....	1	22	P1829	Nut.....	2
9	120769	Pressure Switch (Includes Items 10 and 11)	1	23	P11777	Lockwasher	2
10	•	• Nut.....	1	24	151853	Transformer Assembly, 115 VAC	1
11	•	• Lockwasher	1		151852	Transformer Assembly, 230 VAC	1
12	120475	Connector, Female	1	25	111587	Connector, 2 Circuit.....	2
13	117479	Uni-Clamp, 1/8" O.D.....	8	26	120475	Female Connector (Not Shown)	4
				27	117244	Wire Connector	1
				28	151895	Syringe Adapter	2
				29	109191	Cord Clip (Not Shown)	2

Always Specify Model & Serial Number

Heated Syringe Power Supply - Internally Mounted

SECTION VI PARTS LIST



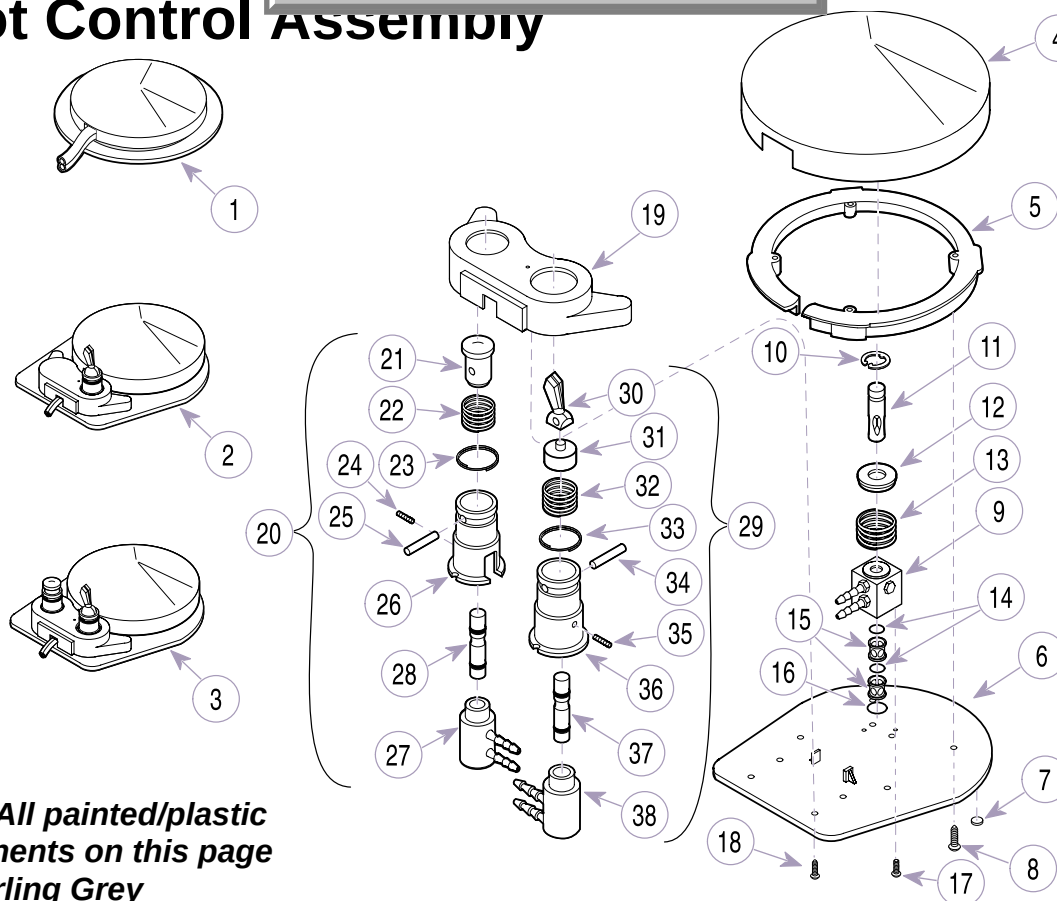
KA930601i

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1		Syringe (Refer to " Quick Clean or AutoClavable Syringe")	Ref	11	• •	• • Nut.....	1
2	103152	Receptacle.....	4	12	• •	• • Lockwasher	1
3	101949	Terminal Socket	4	13	• 117477	• Fitting, Tee	1
4	122753	Wire Connector.....	2	14	•	• Refer to " Internal Tubing ").....	Ref
5	104692	Plug, Two Socket	1	15	• 118288	• Terminal	3
6		Syringe (Refer to " Quick Clean or AutoClavable Syringe")	Ref	16	• 015-1259-02	• Fuse Holder, 3AG (Includes Items 17 and 18).....	1
7	122357	Nut	2	17	• •	• • Fuse Holder Cap	1
8	153029	Transformer Assembly, 115 VAC	1	18	• •	• • Fuse Holder Nut	1
	153030	Transformer Assembly, 240 VAC	1	19	• 120840	• Fuse, 1/2 Amp (For 115 VAC Units) ...	1
9	153031	Pressure Switch & Fuse Assy, 115 VAC (Includes Items 10 Thru 19)	1		• 015-0346-00	• Fuse, 1/4 Amp (For 240 VAC Units) ...	1
	153032	Pressure Switch & Fuse Assy, 240 VAC (Includes Items 10 Thru 19)	1	20	P5788	Screw	2
10	• 120769	• Pressure Switch Assembly (Includes Items 11 and 12)	1	21	115896	Cable Tie (Not Shown)	1
				22	117479	Uni-Clamp, 1/8" O.D. (Not Shown)	2
				23	061-0808-02	115V Fuse Replacement Label	
					061-0808-01	230V Fuse Replacement Label.....	1

Always Specify Model & Serial Number

Foot Control Assembly

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

KA916400

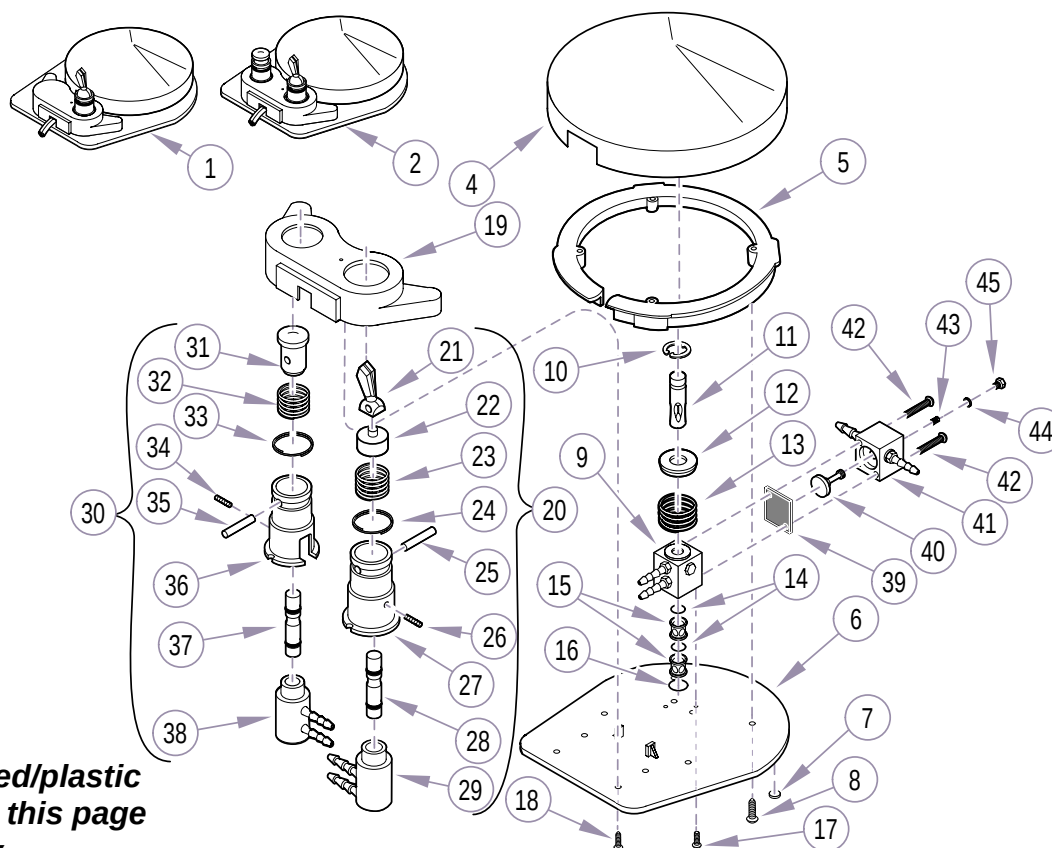
Applies to units with "UA", "UC", "UK", & "UW" serial number prefixes

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	151608	Foot Control, (does not include items 18 thru 38)	1	20	•	• Chip Blower Button Assy (DCI#6093).....	1
2	152059	Foot Control w/Water On/Off Toggle (does not include items 20 thru 27)	1	21	••	•• Actuator Button (DCI#6056).....	1
3	151769	Foot Control w/Water On/Off Toggle and Chip Air Pushbutton.....	1	22	••	•• Spring (DCI#6034).....	1
4	•	• Foot Control Cover (DCI#6070).....	1	23	•• C5970	•• Spring Clip (DCI#6095).....	1
5	•	• Foot Control Ring, Gray (DCI#6046)...	1	24	••	•• Set Screw (DCI#9789).....	1
6	•	• Base Plate.....	1	25	••	•• Pin (DCI#0911).....	1
7	•	• Bumper Pad Kit (DCI#8070) (Standard Foot Control Uses QTY. 8, Foot Control w/Switches Uses QTY. 10).....	pkg-28	26	••	•• Valve Tower (DCI#6048).....	1
8	•	• Screw (DCI#9746).....	4	27	••	•• Micro-Valve 2-Way, Chip Air (DCI#6003).....	1
9	•	• Valve.....	1	28	•••	••• Stem w/O-Rings, 2-Way (DCI#6038).....	1
10	••	•• Stem (DCI#6096) [includes item 11].....	1	29	•	• Wet/Dry Toggle Assy (DCI#6132).....	1
11	•••	••• Retaining Ring (DCI#9602).....	1	30	••	•• Toggle, Wet/Dry (DCI#6049).....	1
12	••	•• Return Ring (DCI#6033).....	1	31	••	•• Spring Cap (DCI#6054).....	1
13	••	•• Spring (DCI#6042).....	1	32	••	•• Spring (DCI#6036).....	1
14	••	•• O-Ring Kit (DCI#2205) (Unit Uses 2).....	pkg-12	33	•• C5970	•• Spring Clip (DCI#6095).....	1
15	••	•• Spool (DCI#6022).....	1	34	••	•• Pin (DCI#0911).....	1
16	••	•• O-Ring Kit (DCI#2210) (Unit Uses 1).....	pkg-12	35	••	•• Set Screw (DCI#9789).....	1
17	•	• Screw (DCI#9741).....	2	36	••	•• Valve Tower (DCI#6048).....	1
18	•	• Screw (DCI#9750).....	4	37	••	•• Micro-Valve 2-Way, (DCI#6004).....	1
19	•	• Switch Housing, 1-Hole Toggle (DCI#6052).....	1	38	•••	••• Stem w/O-Rings, 2-Way (DCI#6039).....	1
	•	• Switch Housing, 2-Hole (DCI#6053) (Shown).....	1	39		Standard Repair Kit (Includes items 10, 12, 13, 14, & 16) (DCI#6161).....	1
					152463	Wet/Dry Repair Kit (Includes items 10, 13, 14, 16, 30, 31, & 34).....	1
						Chip Air Repair Kit (Includes items 10, 12, 13, 14, 16, & 22) (DCI#6162).....	1

Always Specify Model & Serial Number

Foot Control Assembly

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Pebble Grey

KA916400

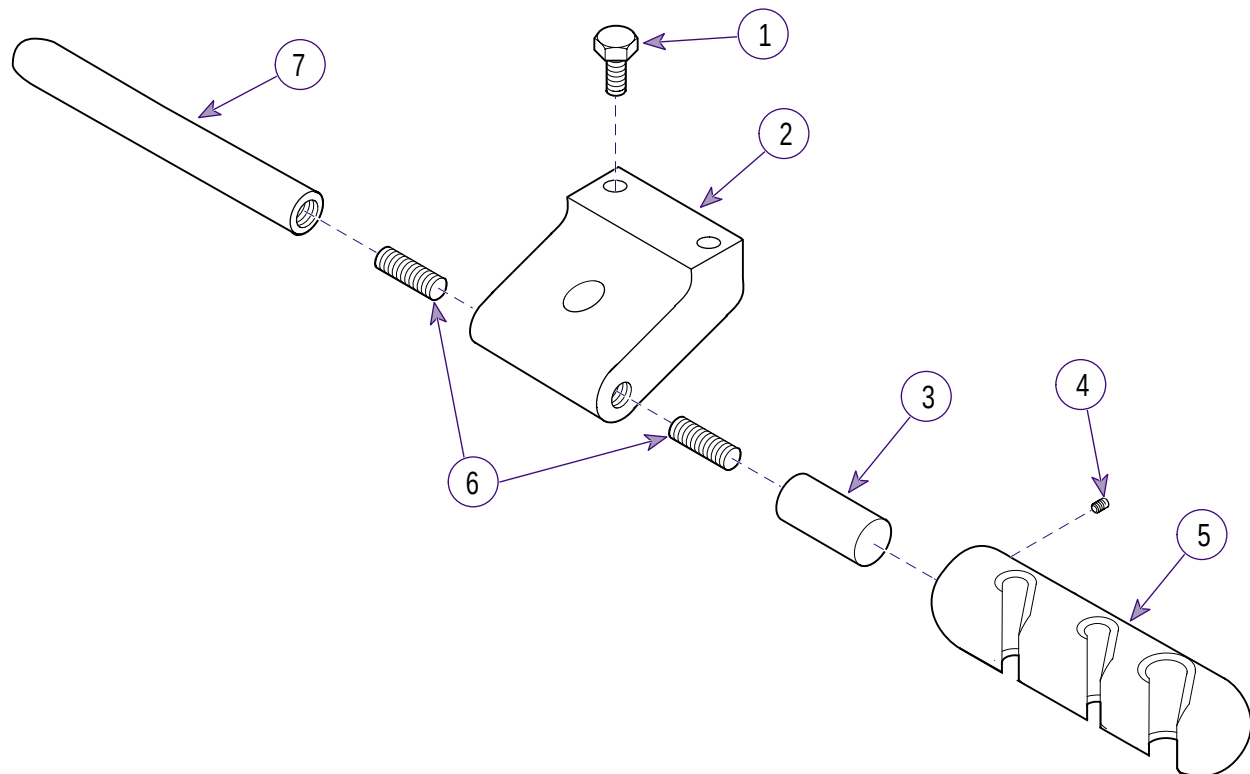
Applies to units with "PJ", "PK", & "PM" serial number prefix

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152059-01	Foot Control w/Water On/Off Toggle (Includes items 4 thru 29 & 39 thru 45)	1	19	•	• Single Switch Housing, (DCI#6052) ...	1
2	151769-01	Foot Control w/Water On/Off Toggle and Chip Air Pushbutton (Includes items 4 thru 38)	1	20	•	• Dual Switch Housing (DCI#6053)	1
3	152463	Wet/Dry Repair Kit (Includes items 10, 13, 14, 16, 21, 22, & 25).....	1	21	••	• Wet/Dry Toggle Assy (DCI#6132).....	1
		Chip Air Repair Kit (Includes items 10, 12, 13, 14, 16, & 33) (DCI#6162)	1	22	••	•• Toggle, Wet/Dry (DCI#6049)	1
4	•	• Foot Control Cover (DCI#6070)	1	23	••	•• Spring Cap (DCI#6054).....	1
5	•	• Foot Control Ring, Gray (DCI#6046) ...	1	24	•• C5970	•• Spring (DCI#6036)	1
6	•	• Base Plate.....	1	25	••	•• Spring Clip (DCI#6095)	1
7	•	• Bumper Pad Kit (DCI#8070) (Standard Foot Control Uses QTY. 8, Foot Control w/Switches Uses QTY. 10).....	pkg-28	26	••	•• Pin (DCI#0911)	1
8	•	• Screw (DCI#9746).....	4	27	••	•• Set Screw (DCI#9789)	1
9	•	• Valve.....	1	28	••	•• Valve Tower (DCI#6048)	1
10	••	•• Stem (DCI#6096) [includes item 11].....	1	29	•••	•• Micro-Valve 2-Way, (DCI#6004)	1
11	•••	••• Retaining Ring (DCI#9602)	1	30	•	••• Stem w/O-Rings (DCI#6039)	1
12	••	•• Return Ring (DCI#6033).....	1	31	••	• Chip Blower Button Assy (DCI#6093).....	1
13	••	•• Spring (DCI#6042).....	1	32	••	•• Actuator Button (DCI#6056).....	1
14	••	•• O-Ring Kit (DCI#2205) (Unit Uses 2).....	pkg-12	33	•• C5970	•• Spring (DCI#6034)	1
15	••	•• Spool (DCI#6022).....	1	34	••	•• Spring Clip (DCI#6095)	1
16	••	•• O-Ring Kit (DCI#2210) (Unit Uses 1).....	pkg-12	35	••	•• Set Screw (DCI#9789)	1
17	•	• Screw (DCI#9741).....	2	36	••	•• Pin (DCI#0911)	1
18	•	• Screw (DCI#9750).....	4	37	••	•• Valve Tower (DCI#6048)	1
				38	•••	•• Micro-Valve 2-Way, Chip Air (DCI#6003)	1
				39	•	••• Stem w/O-Rings (DCI#6038)	1
				40	•	• Diaphragm [DCI#9012].....	pkg-10
				41	•	• Stem with O-Rings [DCI#6098].....	1
				42	•	• Valve [DCI#].....	1
				43	•	• Screw [DCI#].....	2
				44	• 117660	• Spring [DCI#9029]	1
				45	• 117351	• Gasket	1
						• Brass Plug	1

Always Specify Model & Serial Number

Vacuum Instruments Mounting Components

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PM	pebble grey

AF212900

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		Vacuum Instr. Holder Bar Assy. [RH-shown (includes items 1 thru 7)]		1	•	• Screw	2
152363		(sterling)	1	2	• 120884-1	• Bar Mount.....	1
152363-01		(pebble)	1	3	• 121218	• Post	1
		Vacuum Instr. Holder Bar Assy. [LH-not shown (includes items 1 thru 7)]		4	• 106753	• Set Screw	1
152278		(sterling)	1	5	• 122981	• Vacuum Instr. Hdpc. Holder.....	1
152278-01		(pebble)	1	6	• 120911	• Set Screw	2
				7	• 120886-1	• Mounting Bar (sterling).....	1
					• 120886-50	• Mounting Bar (pebble).....	1

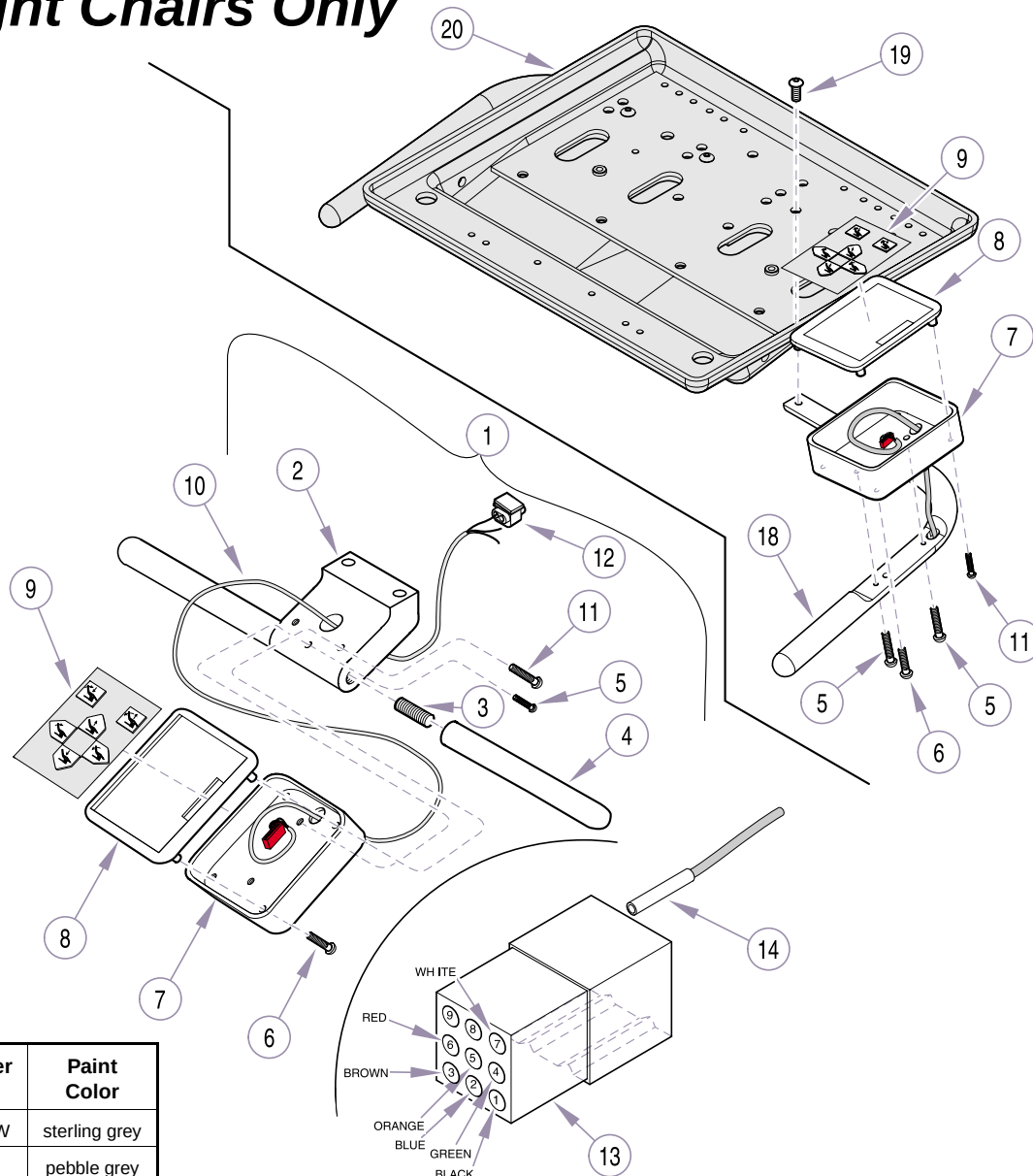
Always Specify Model & Serial Number

Unit Mounted Chair Control

- Knight Chairs Only

SECTION VI

PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PM	pebble grey

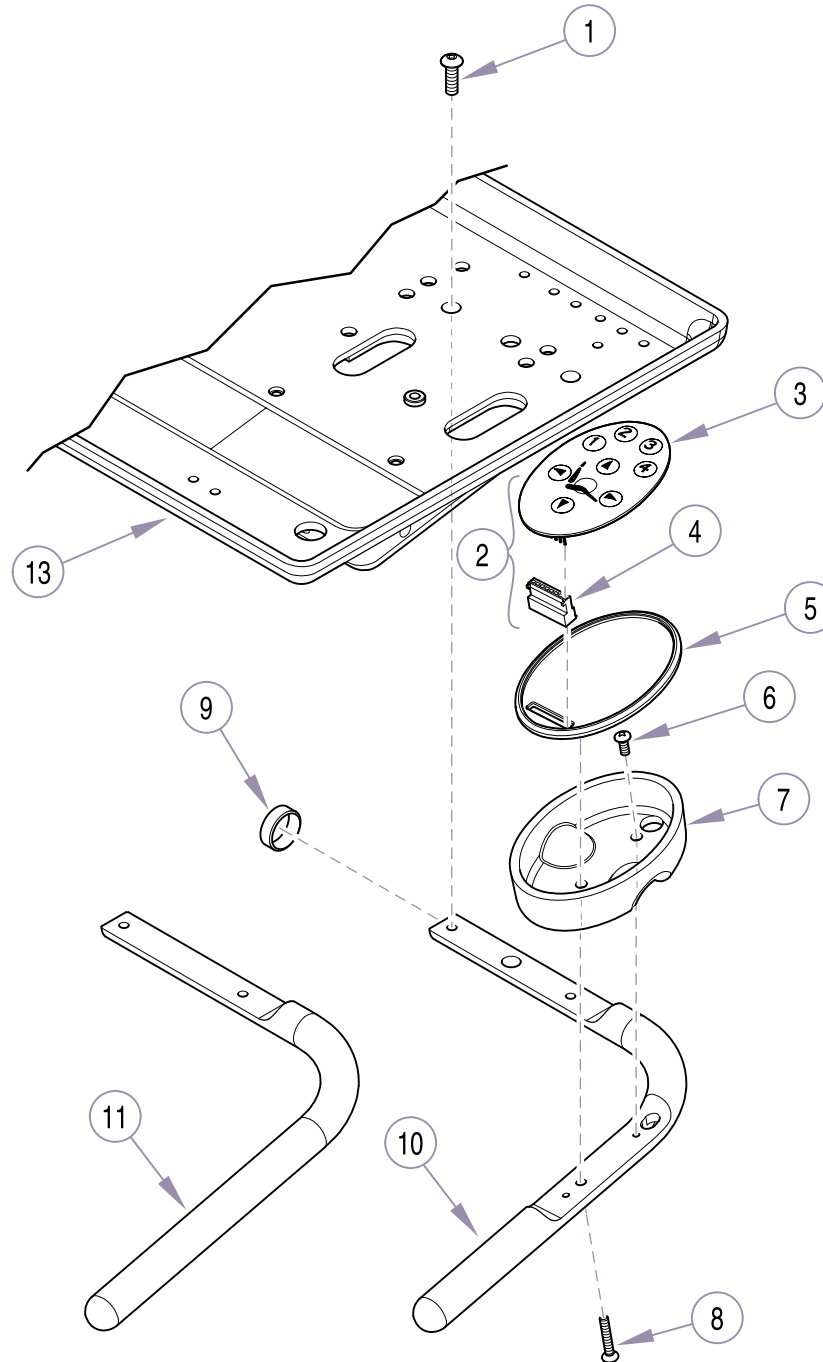
KA982700i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Instrument Holder Bar Assy (includes items 2 thru 4)		12	117244	Scotch-Loc Connector	21
	153130	(sterling)	1	13	102029	9-Pin Connector	1
	153130-01	(pebble)	1	14	117810	Terminal	7
2	• 122593-1	•Bar Mount (sterling)	1	15	109191	Clip (not shown)	7
	• 122593-50	•Bar Mount (pebble)	1	16		Adapter Harness Assy (not shown) For all Console, LR, wall/cabinet mounted units, & carts	1
3	• 120911	•Set Screw	2		153021	For SLC (Special Less Console) units only	1
4	• 120886	•Mounting Bar (sterling)	2	17		Bottom Connector Cable (not shown) For SLC (Special Less Console) units only	1
	• 120886-50	•Mounting Bar (pebble)	2		153038		
5	120612	Screw	1	18	122165-1	Handle, RH (sterling)	1
6	120612	Screw	2		057-0650-50	Handle, RH (pebble)	1
7	121989	Housing (sterling)	1		122166-1	Handle, LH (sterling)	1
	121989-01	Housing (pebble)	1		057-0651-50	Handle, LH (pebble)	1
8	121885-1	Bezel (sterling)	1	19	P7017	Screw	2
	121885-50	Bezel (pebble)	1	20		Refer to "Whip-style Delivery Unit"	Ref.
9	121884	Membrane Switch (sterling)	1				
	015-1499-00	Membrane Switch (pebble)	1				
10	152828	Cable Assembly	1				
11	040-0006-90	Screw	2				

Always Specify Model & Serial Number

Whip Unit Mounted Chair Control - Midmark Chairs Only

SECTION VI PARTS LIST



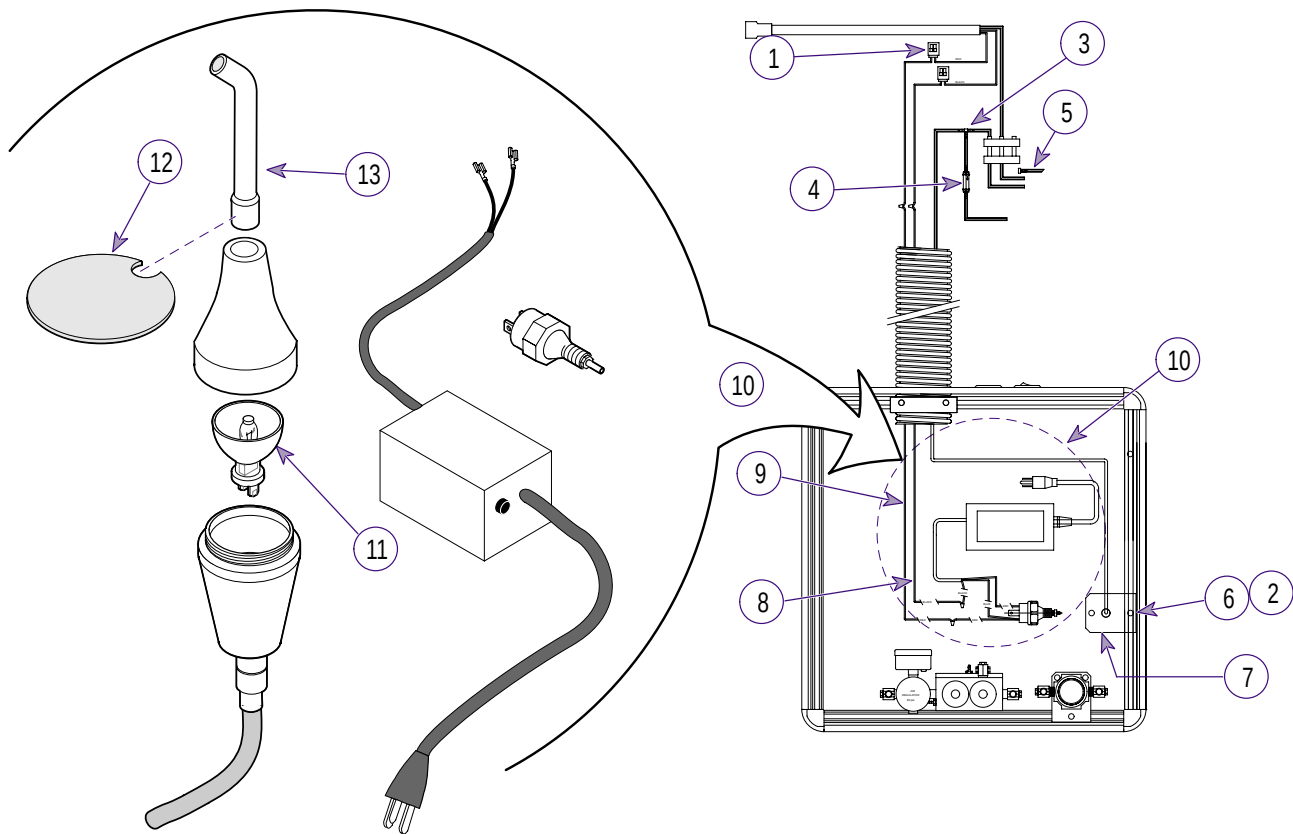
KA983000i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	029-2684-00	Right Hand Whip Chair Control Assembly (Shown).....	1	8	040-0006-92	Screw	1
	029-2685-00	Left Hand Whip Chair Control Assembly (not shown).....	1	9	121988-50	Cable Retainer Ring.....	1
1	P7017	Screw.....	4	10	057-0650-50	Right Hand Chair Control Handle (Shown)	1
2	029-2606-00	Touch Control Pad	1		057-0651-50	Left Hand Chair Control Handle (Not Shown).....	1
3	• 015-1394-00	Membrane Switch Panel.....	1	11	122150-50	Right Hand Whip Handle (Shown)	1
4	• 015-1324-01	IDC Connector.....	1		122151-50	Left Hand Whip Handle (Not Shown)	1
5	053-1071-00	Control Bezel.....	1	12	109191•	Cable Clamp (Not Shown)	1
6	040-0006-98	Screw.....	2	13		Bottom Cover (Refer to "Whip Cover Components")	Ref
7	053-1208-00	Chair Control Housing	1				

Always Specify Model & Serial Number

Curing Light Assembly

SECTION VI PARTS LIST



KA930000

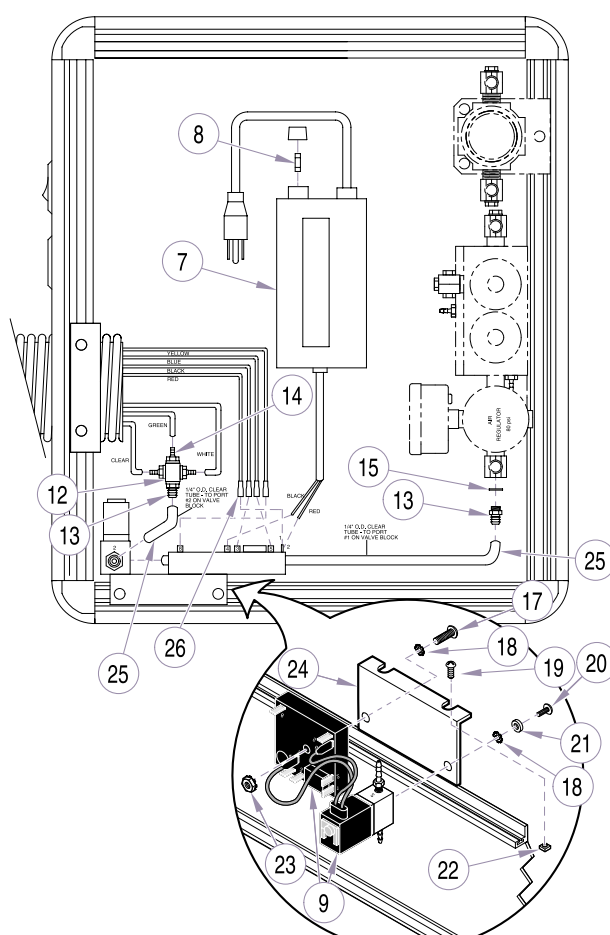
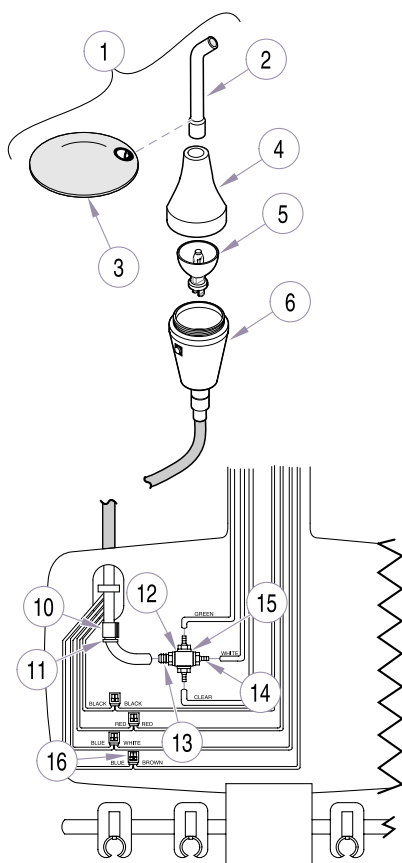
Units with "UA", "UC", "UK", & "UW" serial number prefixes built before 3-20-00

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	153322	Curing Light Kit, 120 VAC (Includes items 1 thru 11).....	1			<i>Individual components of Unilite Kit (items 11thru 13) must be ordered from:</i>	
1	• 117244	• Scotch-Loc Connector.....	6			Spring Health Products	
2	• 117358	• Nut.....	1			705 General Washington Ave, STE. 701	
3	• 117477	• Fitting	1			Norristown, PA 19403	
4	• 117698	• Check Valve	1			Telephone: (800) 800-1680	
5	• 118915	• Plug	1	11	• •	• • Halogen Bulb (12V, 75W)	
6	• 040-0010-36	• Screw	1			(Spring Health #BU-75)	1
7	• 122930	• Pressure Switch Plate	1	12	• •	• • Eye Shield	1
8	• 176396	• Wire (black)	10 ft.	13	• •	• • Light Guide (11mm - standard)	1
9	• 275457	• Wire (red)	10 ft.			<i>Also available from Spring Health:</i>	
10	• 122929	• Unilite Kit, 120 VAC (Includes all items shown in bubble) ...	1			<i>Light Guides (8mm, 3mm, 13mm)</i>	

Always Specify Model & Serial Number

Curing Light Assembly

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PM	pebble grey

KA933700

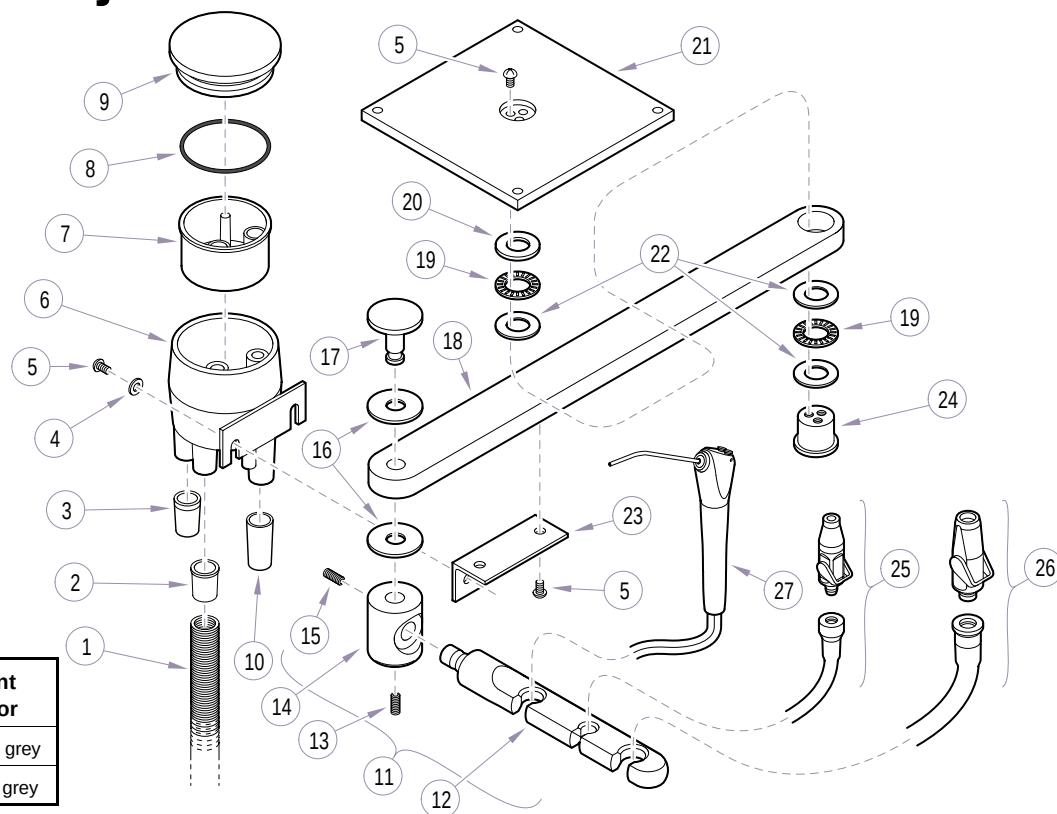
Units with UA, UC, UK, & UW serial number prefixes built after 3-20-00 and all units with PJ, PK, & PM serial number prefixes

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
	153322	120 VAC Curing Light Assembly.....	1	9	•	• Solenoid / Relay Assembly (Spring Health# UL-4)	1
		<i>Individual components of Unilite Kit (items 1 thru 9) must be ordered from:</i>		10	118167	Clamp	1
		Spring Health Products		11	115896	Cable Tie, 4"	1
		705 General Washington Ave, STE. 701		12	014-0382-00	Connector Fitting	2
		Norristown, PA 19403		13	109714	Barb Fitting	6
		Telephone: (800) 800-1680		14	117349	Barb Fitting	2
1		Unilite Complete (Includes Items 2 thru 9) (Spring Health# UL-1)	1	15	117660	Gasket	9
2	•	• Light Guide, 11mm (standard)	1	16	117244	Connector, Scotch-Lok	8
		<i>Also Available from Spring Health: Light Guides - sizes: 3mm, 8mm, & 13mm)</i>		17	117341	Screw	1
3	•	• Eye Shield (Spring Health# ES-01)	1	18	P14718	Lockwasher	2
4	•	• Upper Housing	1	19	040-0010-36	Screw	2
5	•	• Halogen Bulb, 12V, 75W (Spring Health# BU-75)	1	20	120385	Screw	2
6	•	• Curing Light Housing	1	21	P1673	Washer	2
7	•	• Power Supply (Spring Health# UL-3) ..	1	22	117358	Nut	2
8	•	• Fuse, 250 V, 3A, 3AG	1	23	122357	Nut	2
				24	122393-1	Valve Mtg Bracket (sterling)	1
					122393-50	Valve Mtg Bracket (pebble)	1
				25		1/4" Clear Tubing (Refer to "Internal Tubing")	Ref
				26	121771	Terminal	4

Always Specify Model & Serial Number

Cabinet Mounted Assistant's Instruments / Cabinet Mounted HVE and Saliva Ejector

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PL	pebble grey

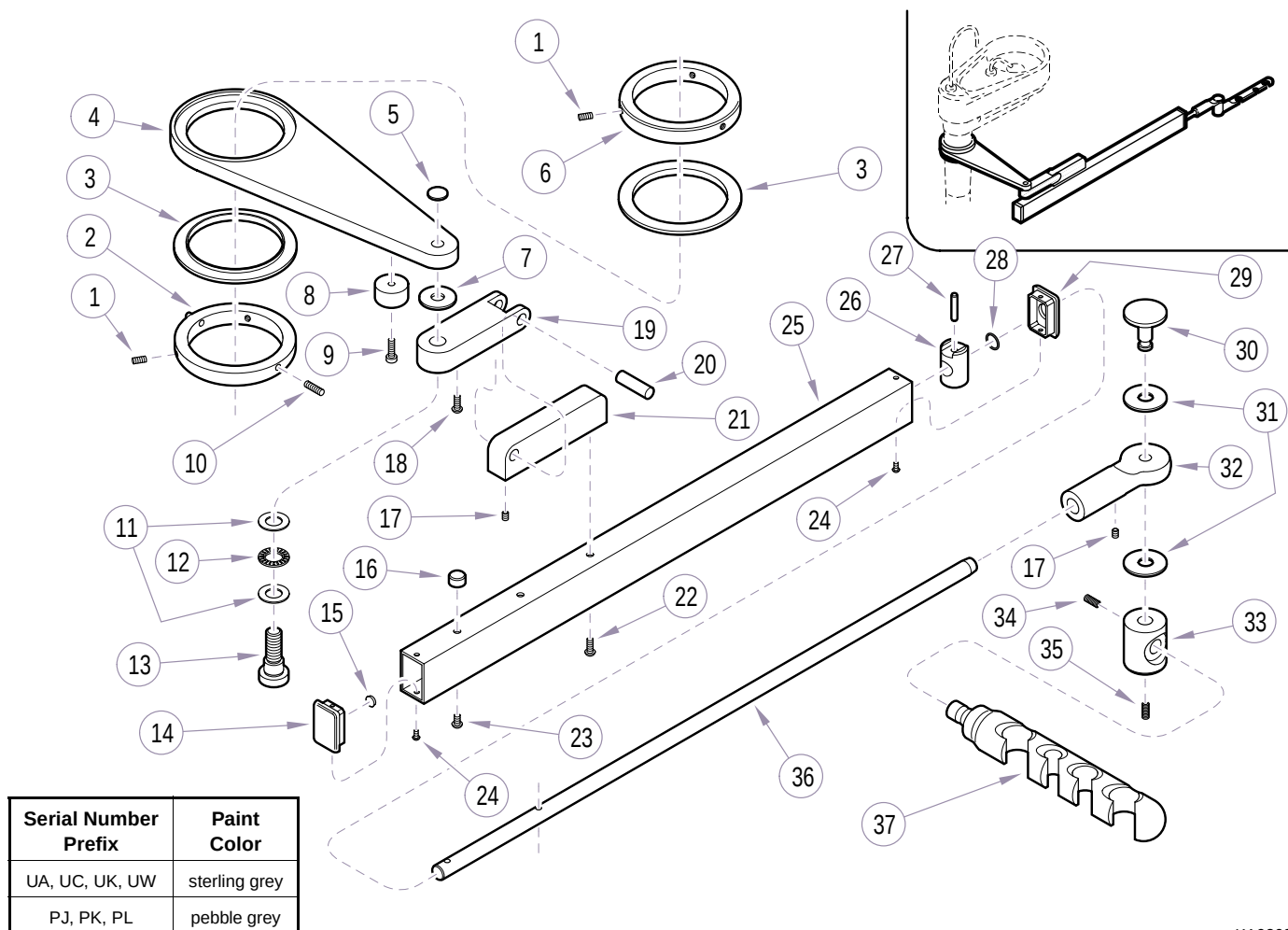
KA926800

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
		Cabinet Mtd HVE and Saliva Ejector (includes items 1 thru 26)		14	• 121023-1	• Holder Mount (sterling)	1
152268		(sterling)	1		• 121023-50	• Holder Mount (pebble)	1
152268-01		(pebble)	1	15	• 120913	• Set Screw	1
		Cabinet Mtd Assistant's Instruments (includes items 1 thru 27)	1	16	• 121025	• Washer	2
153327		(sterling)	1	17	• 121024-1	• Arm Holder Pin (sterling)	1
153327-01		(pebble)	1		• 121024-50	• Arm Holder Pin (pebble)	1
		Cabinet Mtd Assistant's Instruments w/Valve Block (incl. items 1 thru 28)	1	18	• 121105-1	• Instrument Arm (sterling)	1
153328		(sterling)	1		• 121105-50	• Instrument Arm (pebble)	1
153328-01		(pebble)	1	19	119033	Thrust Bearing	2
1	275375	Umbilical Tubing, 5/8" I.D. (per ft)	7	20	155287	Washer	1
2	121507	Adaptor Bushing	1	21	121189-1	Arm Mtg Plate (sterling)	1
3	P15280	Cap Sleeve	1		121189-50	Arm Mtg Plate (pebble)	1
4	P1673	Washer	2	22	119034	Thrust Race	3
5	P17928-2	Screw	7	23	121190-1	Solids Collector Bracket (sterling)	1
6	151689	Housing Assembly(sterling)	1		121190-50	Solids Collector Bracket (pebble)	1
	151689-01	Housing Assembly(pebble)	1	24	121075-2	Stud	1
7	118613	Basket	1	25		Saliva Ejector & Tubing Assembly	
8	118614	O-Ring	1		152147	(sterling)	1
9	119897	Cover (sterling)	1		152147-01	(pebble)	1
	119897-01	Cover (pebble)	1	26		HVE Valve & Tubing Assembly	
10	118917	Cap Plug	1		152148	(sterling)	1
11		Instr. Holder Assy (incl. items 12 thru 18)	1		152148-01	(pebble)	1
	152161	(sterling)	1			(For breakdown of items 25 & 26, refer to "Saliva Ejector/HVE Valve Components")	1
	152161-01	(pebble)	1	27	152709	Syringe & Tubing (sterling)	1
12	• 122979	• Single HVE Handpiece Holder	1		152709-01	Syringe & Tubing (pebble)	1
	• 122980	• Twin HVE Handpiece Holder	1	28		Cabinet Mtd Syringe Kit (for units w/out a delivery unit)	
13	• 121148	• Screw	1		153326	(sterling)	1
					153326-01	(pebble)	1

Always Specify Model & Serial Number

LR Mounted Telescopic Arm

SECTION VI PARTS LIST



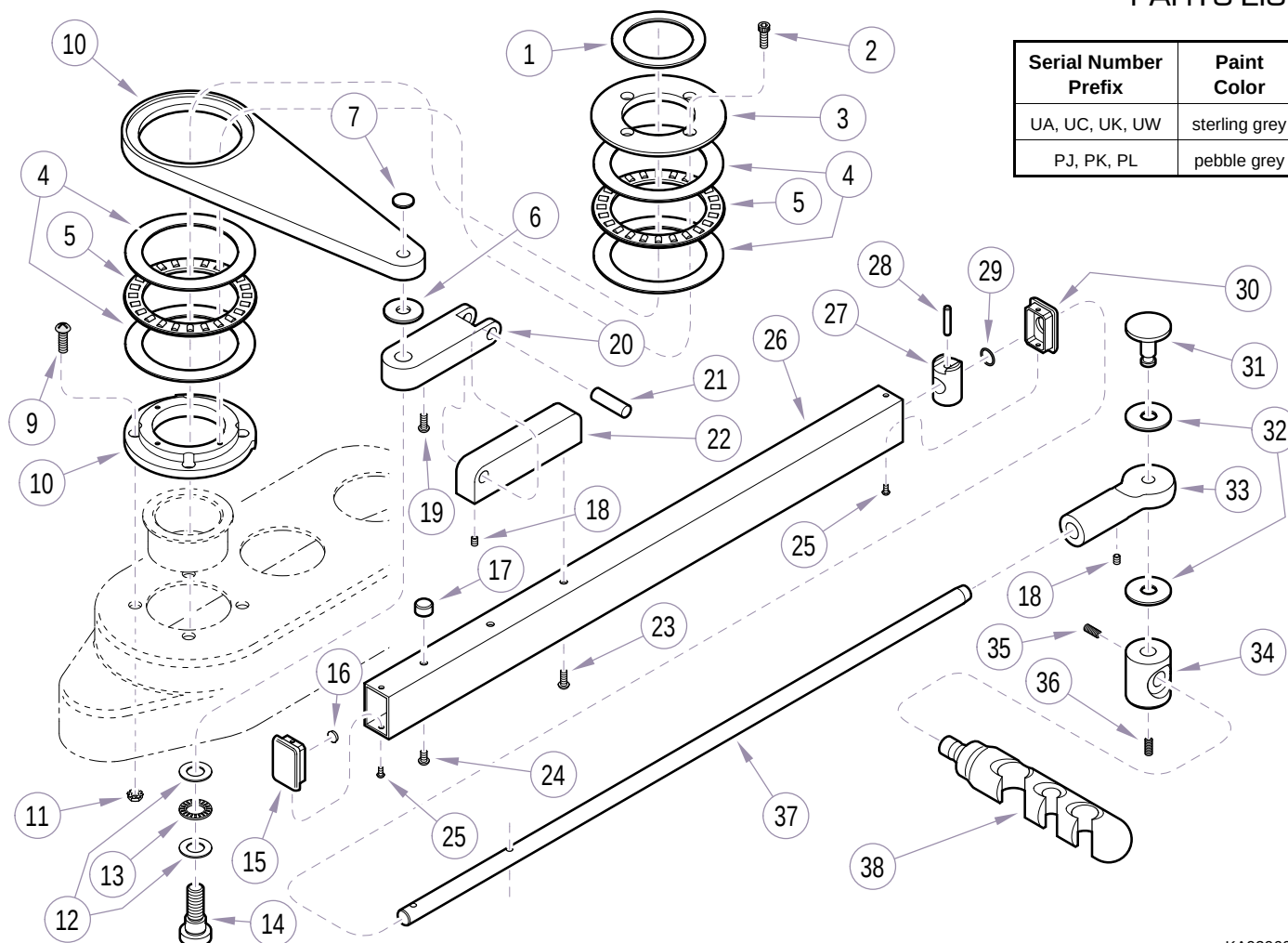
KA926900

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	122161	Set Screw	5	21	120732-1	Hinge Block (sterling)	1
2	122655-1	Lower Support Ring (sterling)	1		120732-50	Hinge Block (pebble)	1
	122655-50	Lower Support Ring (pebble)	1	22	P17928-2	Screw	2
3	122662	Lower Support Bearing	2	23	121337-2	Screw	1
4	122486-1	Supporting Arm (sterling)	1	24	119905	Screw	4
	122486-50	Supporting Arm (pebble)	1	25	120734-1	Tube (sterling)	1
5	122198-1	Cap (w/adhesive #185057) (sterling) ...	1		120734-50	Tube (pebble)	1
	122198-50	Cap (w/adhesive #185057) (pebble)	1	26	120729-6	Rod Guide (apply 185171, Magnalube, to delrin guide bushing)	2
6	122656-1	Ring Cover (sterling)	1	27	120740-6	Pin	2
	122656-50	Ring Cover (pebble)	1	28	P12349	O-Ring	1
7	120744-6	Washer	1	29	120735-1	End Cap (sterling)	1
8	122708	Arm Stop	1		120735-50	End Cap (pebble)	1
9	122706	Screw	1	30	121024-1	Arm Holder Pin (sterling)	1
10	122709	Set Screw	1		121024-50	Arm Holder Pin (pebble)	1
11	120712	Thrust Washer	2	31	121025	Washer	2
12	110207	Bearing	1	32	121113-1	Pivot Block (sterling)	1
13	117471	Screw	1		121113-50	Pivot Block (pebble)	1
14	120736-1	End Cap (sterling)	1	33	121023-1	Holder Mount (sterling)	1
	120736-50	End Cap (pebble)	1		121023-50	Holder Mount (pebble)	1
15	119891	Foot	1	34	120913	Set Screw	1
16	121128	Bumper	1	35	121148	Set Screw	1
17	106753	Set Screw	3	36	120731-2	Rod, Assistant's Instruments	1
18	101755	Screw (Apply 042-0024-00, Medium Strength Adhesive)	1	36	122979	Single HVE Handpiece Holder	1
19	120733-1	Pivot Link (sterling)	1		122980	Twin HVE Handpiece Holder	1
	120733-50	Pivot Link (pebble)	1	37	TPW1723	Installation Instructions (Not Shown)	1
20	120741-6	Dowel Pin	1				

Always Specify Model & Serial Number

Console Mounted Telescopic Arm

SECTION VI PARTS LIST



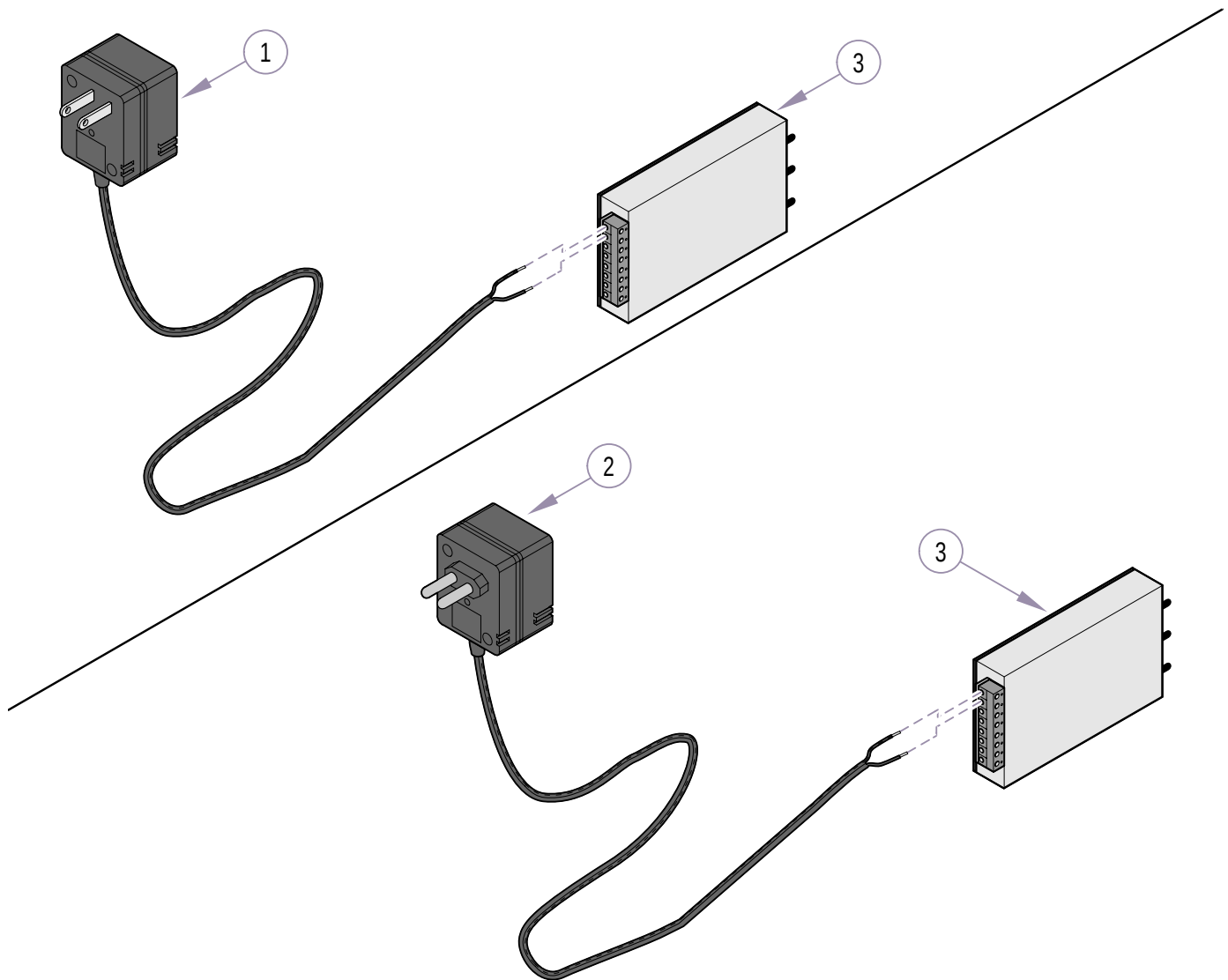
KA929601i

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	122836	Washer	1	22	120732-1	Hinge Block (sterling)	1
2	120372	Screw	4		120732-50	Hinge Block (pebble)	1
3	122484-1	Upper Retaining Ring (sterling)	1	23	P17928-2	Screw	2
	122484-50	Upper Retaining Ring (pebble)	1	24	121337-2	Screw	1
4	122506	Thrust Washer	4	25	119905	Screw	4
5	122505	Thrust Bearing	2	26	120734-1	Tube (sterling)	1
6	120744-6	Washer	1		120734-50	Tube (pebble)	1
7	122198-1	Cap (w/adhesive #185057) (sterling) ...	1	27	120729-6	Rod Guide (Apply 185171, Magnalube, To Delrin Guide Bushing)	2
	122198-50	Cap (w/adhesive #185057) (pebble)	1	28	120740-6	Pin, Rod Guide	2
8	122486-1	Supporting Arm (sterling)	1	29	P12349	O-Ring	1
	122486-50	Supporting Arm (pebble)	1	30	120735-1	End Cap (sterling)	1
9	040-0010-145	Screw	4		120735-50	End Cap (pebble)	1
10	122485-1	Retaining Ring (sterling)	1	31	121024-1	Arm Holder Pin (sterling)	1
	122485-50	Retaining Ring (pebble)	1		121024-50	Arm Holder Pin (pebble)	1
11	122357	Nut (Used On Old Units ONLY)	4	32	121025	Washer	2
12	120712	Thrust Washer	2	33	121113-1	Pivot Block (sterling)	1
13	110207	Bearing	1		121113-50	Pivot Block (pebble)	1
14	117471	Screw	1	34	121023-1	Holder Mount (sterling)	1
15	120736-1	End Cap (sterling)	1		121023-50	Holder Mount (pebble)	1
	120736-50	End Cap (pebble)	1	35	120913	Set Screw	1
16	119891	Foot	1	36	121148	Set Screw	1
17	121128	Bumper	1	37	120731-2	Rod, Assistant's Instruments	1
18	106753	Set Screw	3	38	122979	Single HVE Handpiece Holder	1
19	101755	Screw (use adhesive #042-0024-00)	1		122980	Twin HVE Handpiece Holder	1
20	120733-1	Pivot Link (sterling)	1	39	TPW1644	Installation Instructions (Not Shown)	1
	120733-01	Pivot Link (pebble)	1				
21	120741-6	Dowel Pin	1				

Always Specify Model & Serial Number

Handpiece Illumination System - Externally Mounted

SECTION VI PARTS LIST



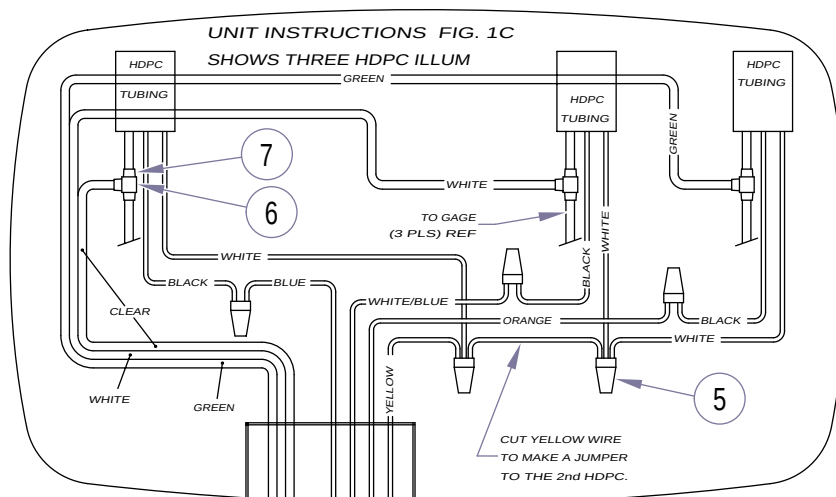
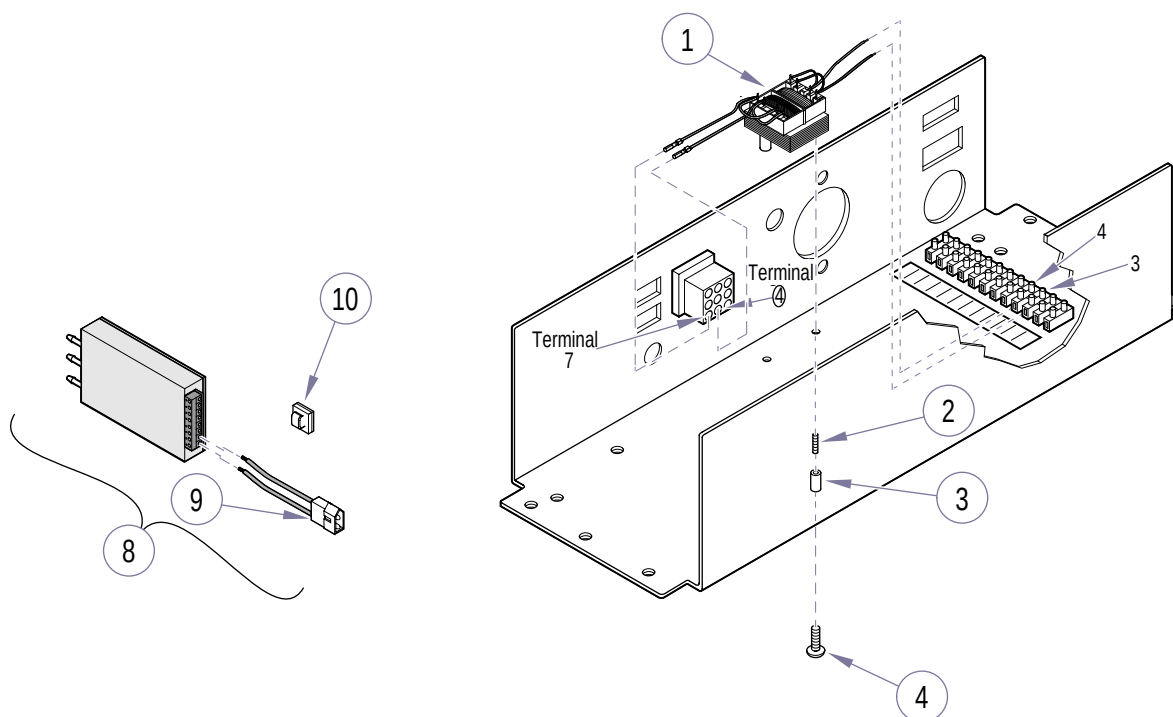
KA930301

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
	152019	110 VAC Handpiece Illumination System (Includes items 1 and 4)..... Ref		2	015-1525-00	220 VAC Transformer	1
	152020	220 VAC Handpiece Illumination System (Includes Items 2, 3, 4)..... Ref		3	015-1480-00	Power Pack Assembly, Handpiece Illumination.....	1
1	120725	110 VAC Transformer.....	1	4	120802	Photon Handpiece Illumination Manual (Not Shown)	1

Always Specify Model & Serial Number

Handpiece Illumination System - Internally Mounted

SECTION VI PARTS LIST



KA930402i

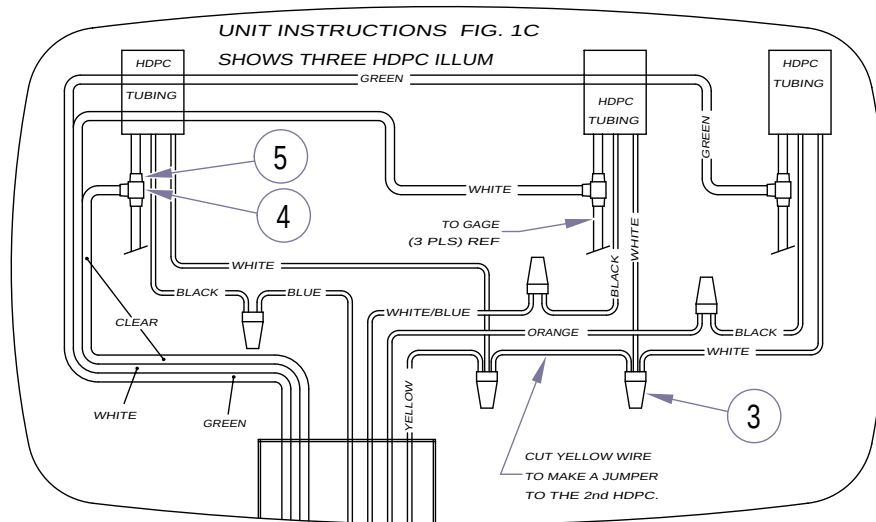
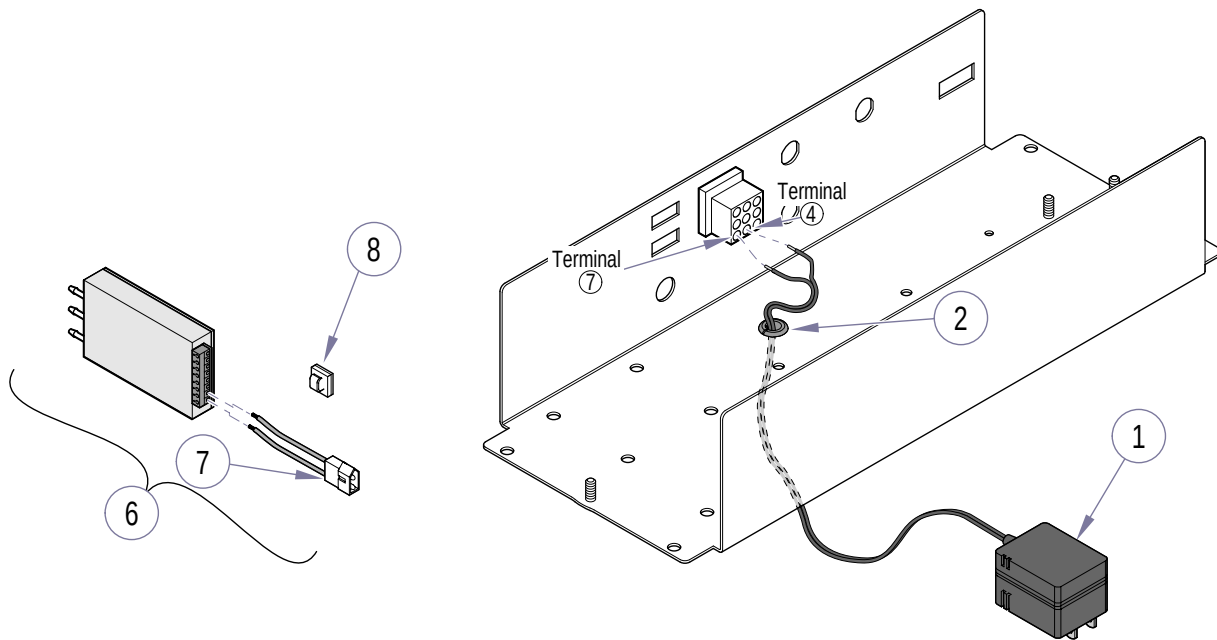
Units with "UA", "UC", "UK", & "UW" serial number prefixes built before 3-20-00

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
	152982	110 VAC Handpiece Illumination System (Includes items 1 and 4)..... Ref		5	P9995	Connector, Grey Wire Nut	5
	152983	240 VAC Handpiece Illumination System (Includes Items 2, 3, 4)..... Ref		6	117477	Fitting, Tee	1
1	153022	110 VAC Transformer Assembly	1	7	117479	Uni-Clamp, 1/8" O.D.	9
	153023	240 VAC Transformer Assembly	1	8	153025	Power Pack Assembly, Handpiece Illumination.....	1
2	P11836	Set Screw (Apply 042-0024-00, Loctite*)	2	9	• 104692	• Plug, 2-Circuit (Uses two 117810, Terminal)	1
3	120859	Standoff	2	10	109191	Cord Clip	1
4	103205	Screw (Apply 042-0024-00, Loctite*)	2	11	TPW1629	Installation Instructions, Handpiece Illumination (Not Shown).....	1

Always Specify Model & Serial Number

Handpiece Illumination System - Internally Mounted

SECTION VI PARTS LIST



KA930403i

Units with "PJ", "PK", "PL", & "PM" serial number prefixes built after 4-19-02

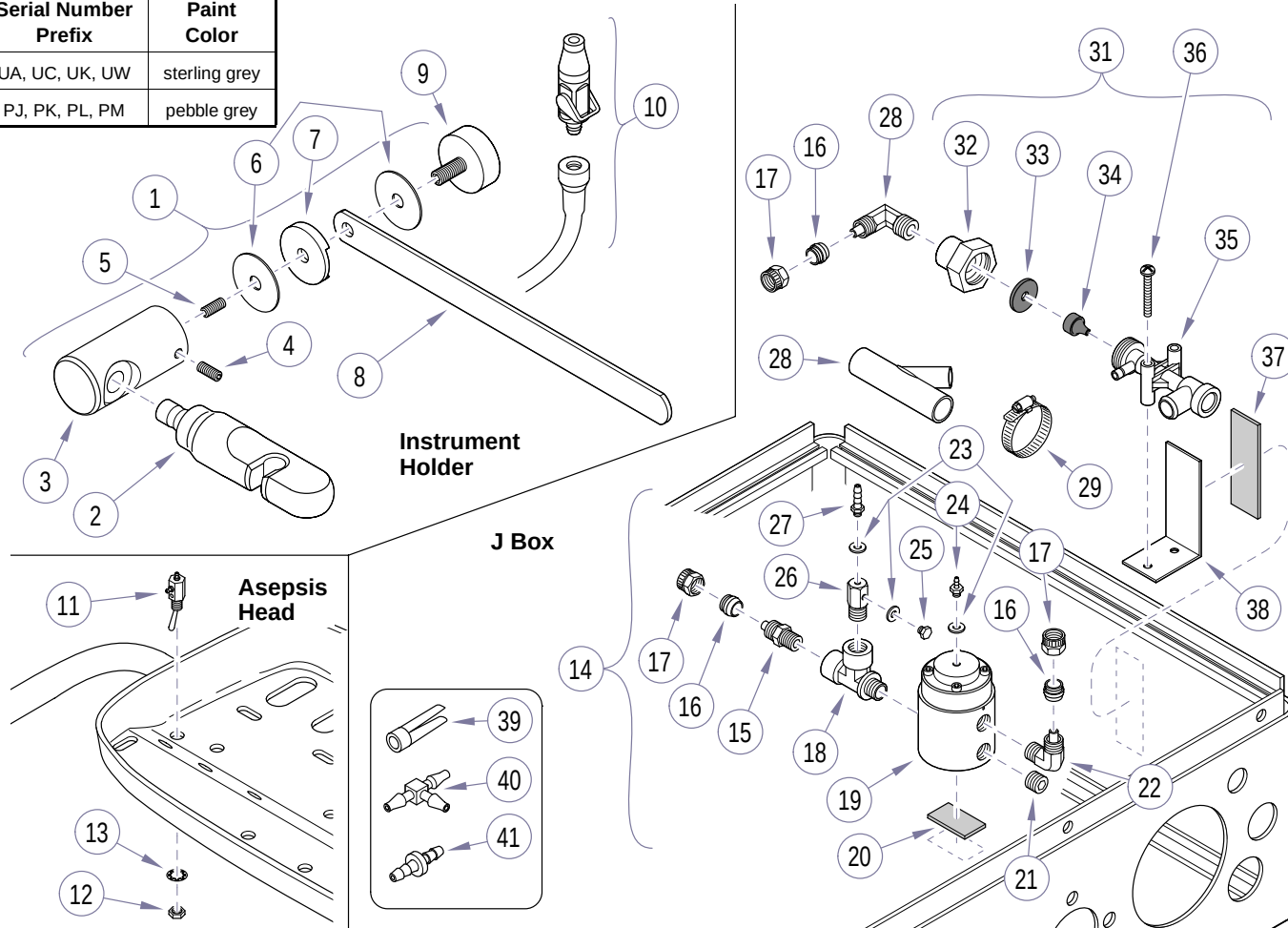
Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	029-2909-00	115 VAC Transformer Assembly	1	6	153025	Power Pack Assembly, Handpiece Illumination.....	1
	029-2909-01	230 VAC Transformer Assembly	1	7	• 104692	• Plug, 2-Circuit (Uses two 117810, Terminal)	1
2	053-0789-01	Split Snap Bushing	1	8	109191	Cord Clip	1
3	P9995	Connector, Grey Wire Nut.....	5	9	TPW1629	Installation Instructions, Handpiece Illumination (Not Shown)	1
4	117477	Fitting, Tee	3				
5	117479	Uni-Clamp, 1/8" O.D.....	9				

Always Specify Model & Serial Number

Water Driven Aspirator

SECTION VI PARTS LIST

Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey



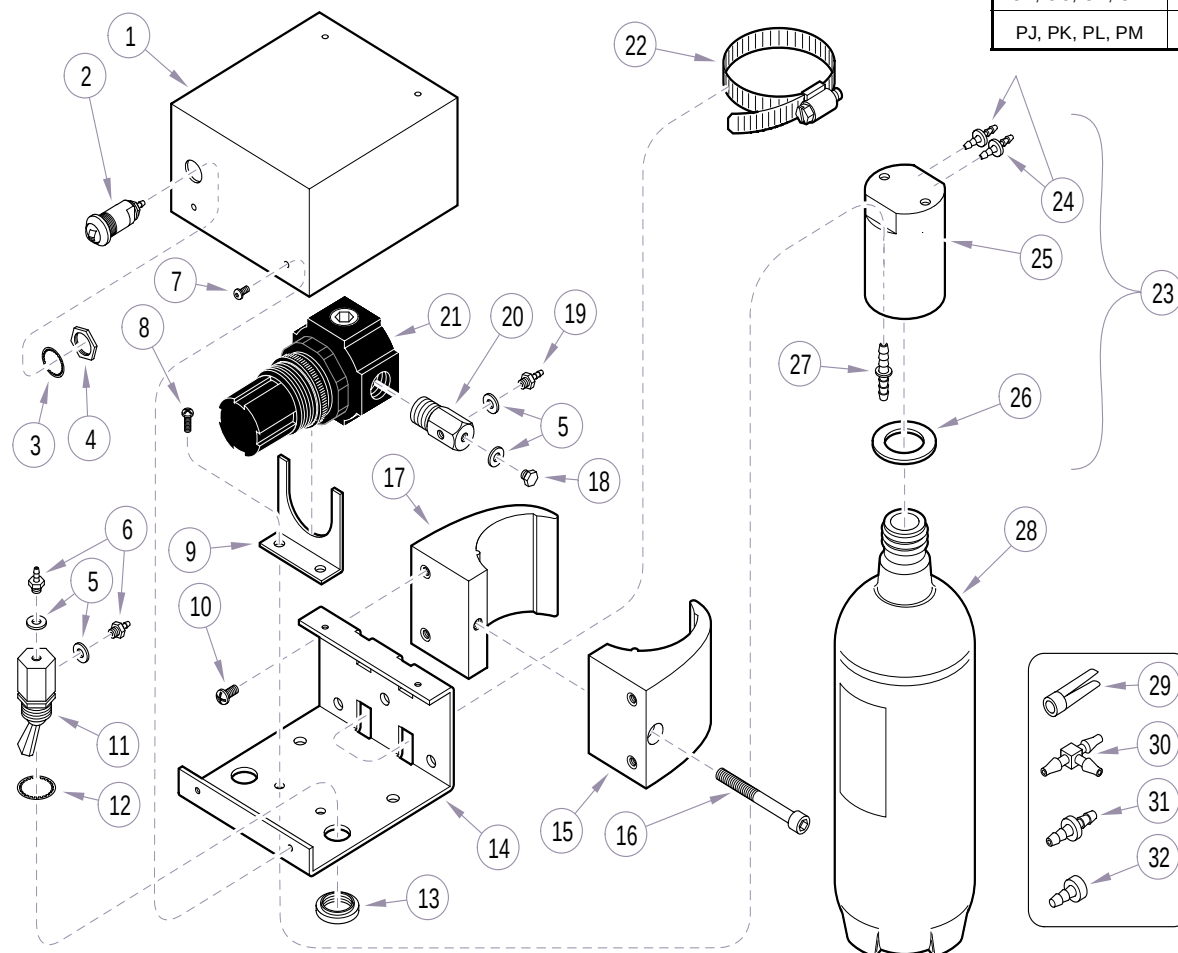
KA932800

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	152473	Instr. Holder Assy (incl. items 2 thru 9)		17	• P17705	• Nut	3
	152473-01	(sterling)	1	18	• 100742	• Tee	1
		(pebble)	1	19	•	• Refer to "Water Valve Assy")	1
2	• 121405-1	• Saliva Ejector Holder (sterling)	1	20	• 275184	• Foam Tape (per ft.)	0.25
	• 121405-50	• Saliva Ejector Holder (pebble)	1	21	• 117662	• Plug	1
3	• 121094-1	• Instr. Holder Mount (sterling)	1	22	• 137909	• Elbow	1
	• 121094-50	• Instr. Holder Mount (pebble)	1	23	• 117660	• Gasket	4
4	• 120913	• Set Screw	1	24	• 109714	• Fitting	1
5	• 121148	• Set Screw	1	25	• 117351	• Plug	2
6	• 122707	• Instrument Holder Bearing	2	26	• 117352	• Fitting	1
7	• 121096-1	• Tang Spacer (sterling)	1	27	• 117349	• Fitting	1
	• 121096-50	• Tang Spacer (pebble)	1	28	151772-2	Drain Fitting	1
8	• 121092	• Instrument Holder Tang	1	29	104499	Hose Clamp	5
9	• 152157	• Locking Knob Assy (sterling)	1	30	137973	Elbow (includes items 16 & 17)	1
	• 152157-01	• Locking Knob Assy (pebble)	1	31	145104	Aspirator Assy (incl. items 34 thru 37)	1
10	153087	Saliva Ejector Valve w/Tubing		32	• 110846	• Aspirator Nut	1
	153087-01	(sterling)	1	33	• 109756	• Washer	1
		(pebble)	1	34	• 107830	• Aspirator Nozzle	1
		(For breakdown of item 10, refer to:		35	• 145104P	• Aspirator	1
		"Saliva Ejector/HVE Valve Components"		36	122405	Screw	2
11	117357	Toggle Valve (includes items 12 & 13)	1	37	275184	Foam Tape (Order By FT)	0.2
12	•	• Nut	1	38	122404-1	Aspirator Bracket (sterling)	1
13	• C2563	• Lockwasher	1		122404-50	Aspirator Bracket (pebble)	1
14	152108	Pilot Valve Assy (incl items 15 thru 27)	1	39	117479	Uni-Clamp, 1/8" O.D.	4
15	• 100740	• Fitting	1	40	117477	Fitting, Tee	1
16	• P17704	• Sleeve	3	41	117481	Fitting, 1/8" to 1/8" O.D.	1

Always Specify Model & Serial Number

Distilled Water System Kit - Universal Mount

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

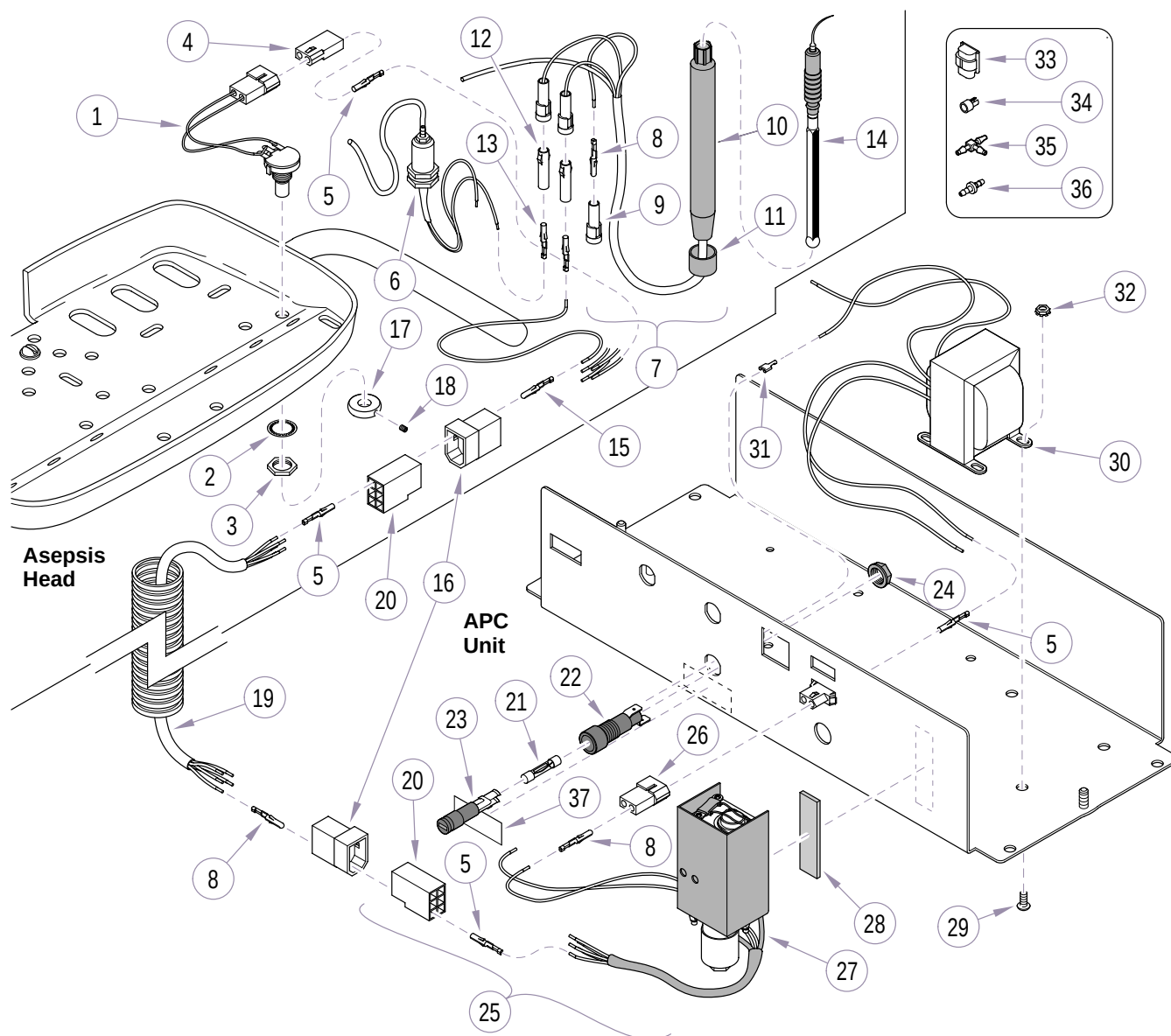
KA932700

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
	152360	Distilled Water System (sterling)	1	17	122529-1	Clamp, R.H. (sterling)	1
	152360-01	Distilled Water System (pebble)	1		122529-50	Clamp, R.H. (pebble)	1
1	121371-1	Cover (sterling)	1	18	117351	Plug	5
	121371-50	Cover (pebble)	1	19	109714	Fitting	5
2	117489	Indicator (includes items 3 & 4)	1	20	117352	Fitting	2
3	•	• Lockwasher	1	21	145756	Air Regulator	1
4	•	• Nut	1	22	016-0885-00	Hose Clamp	2
5	117660	Gasket	12	23	153284	Bottle Cap Assy (incl. tubing & items 24 thru 27)	1
6	109714	Fitting, Barb	5	24	• 117481	• Barb Fitting	2
7	119905	Screw	4	25	• 122824	• Bottle Cap	1
8	118242	Screw	2	26	• 120393	• Gasket (Apply #185158, Loctite*)	1
9	121372-1	Regulator Mtg Bracket (sterling)	1	27	• 117482	• Barb Fitting	1
	121372-50	Regulator Mtg Bracket (pebble)	1	28	152894	Bottle Replacement Kit (750 ml) (includes item 26)	1
10	105480	Screw (if clamps are used)	4		153282	Bottle Replacement Kit (2.0 liter) (includes item 26)	1
	121337-2	Screw (if mtd.directly to wall)	4	29	117479	Uni-Clamp, 1/8" O.D.	11
11	120169	Toggle Valve (incl. items 12 & 13)	1	30	117477	Fitting, Tee	4
12	•	• Lockwasher	1	31	117481	Fitting, Barb	4
13	•	• Nut	1	32	118915	Plug, 1/8" O.D.	1
14	121373-1	Bottle Bracket (sterling)	1	33	TPW1521	Installation Instructions (not shown)	1
	121373-50	Bottle Bracket (pebble)	1	34	TPW1760	User Manual (not shown)	1
15	122530-1	Clamp, L.H. (sterling)	1				
	122530-50	Clamp, L.H. (pebble)	1				
16	040-0250-11	Screw	1				

Always Specify Model & Serial Number

Handpiece Scaler System

SECTION VI PARTS LIST



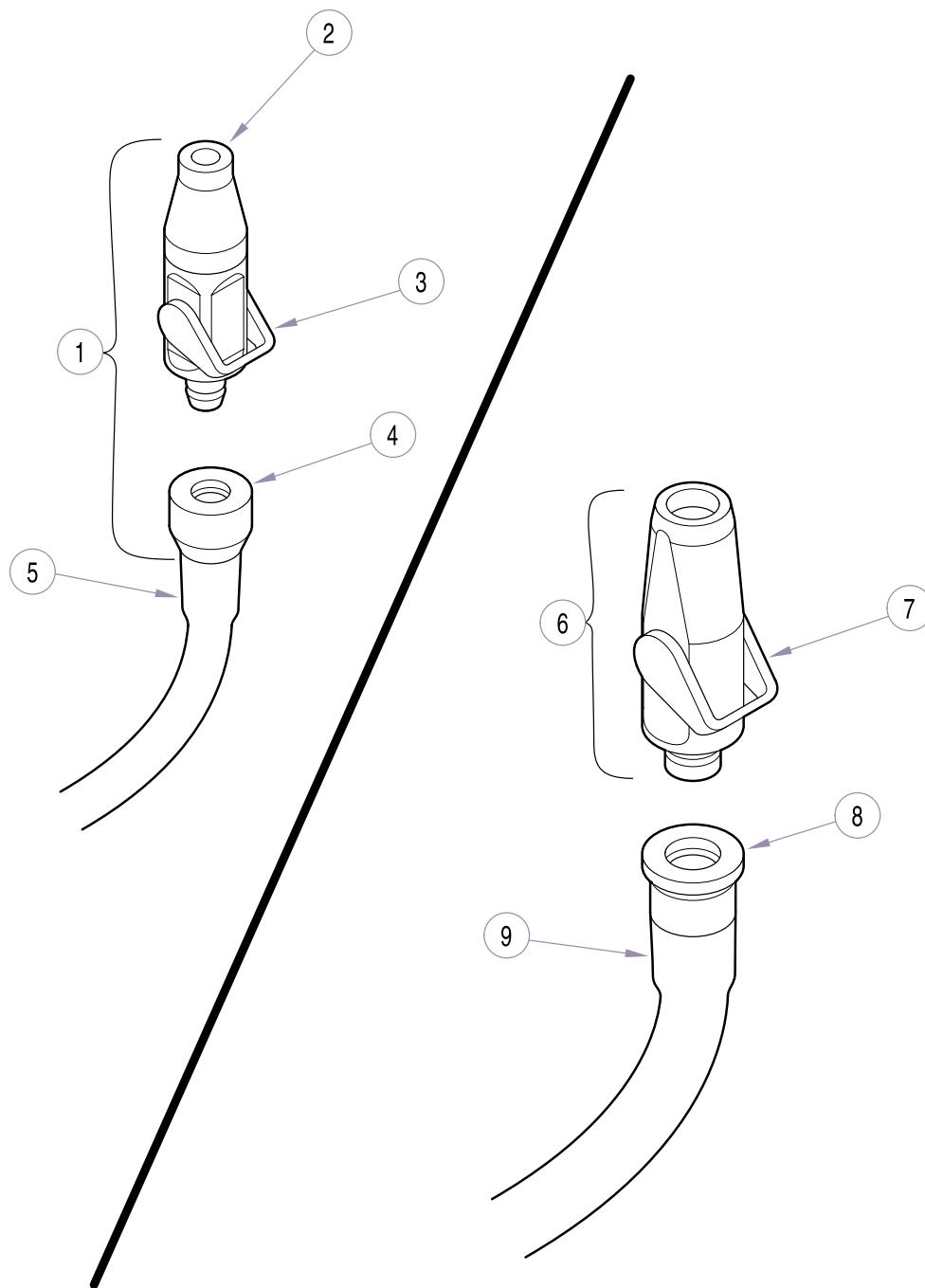
KA933801i

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	153189	Potentiometer (Includes Items 2 and 3) .	1	20	115365	Connector, 6-Circuit	2
2	•	• Lockwasher	1	21	015-0364-00	Fuse (3AG, Slo-Blo, 1.5amp, 250V)	1
3	•	• Nut.....	1	22	015-1259-02	Fuse Holder, 3AG (Includes Items 23 and 24).....	1
4	103167	2-Circuit Receptacle	1	23	•	• Fuse Holder Cap.....	1
5	101949	Terminal Socket	14	24	•	• Nut.....	1
6	153191	Pressure Switch Assembly	1	25	153188	Scaler/Solenoid Assembly (Includes Items 20, 26 thru 28).....	1
7	153192	Scaler, Handpiece & Tube Assembly (Includes Items 8 Thru 11)	1	26	• 121282	• Solenoid / Control Assembly.....	1
8	• 103155	• Connector, Single Circuit.....	10	27	• 104692	• Plug, 2-Circuit	1
9	• 101928	• Pin Terminal	3	28	• 275184	• Foam Tape (Order By FT).....	0.17
10	• 121330	• Scaler System	1	29	P5788	Screw	4
11	• 121284	• Sleeve	1	30	153081	120V Transformer Assembly	1
12	103152	Receptacle.....	3	31	118288	Spade Terminal	1
13	117809	Terminal Socket	3	32	122357	Nut.....	4
14	120661	Handpiece Insert	1	33	117244	Connector, Scotch-Lok.....	1
15	117810	Terminal	10	34	117479	Uni-Clamp, 1/8" O.D.	10
16	115426	Connector, 6-Circuit.....	1	35	117477	Barb Fitting, Tee	1
17	120875-1	Knob, Water Control Valve.....	1	36	117481	Barb Fitting.....	2
18	120178	Set Screw	1				
19	153190	Cable, Scaler Umbilical.....	1				

Always Specify Model & Serial Number

Saliva Ejector/HVE Valve Components

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PL, PM	pebble grey

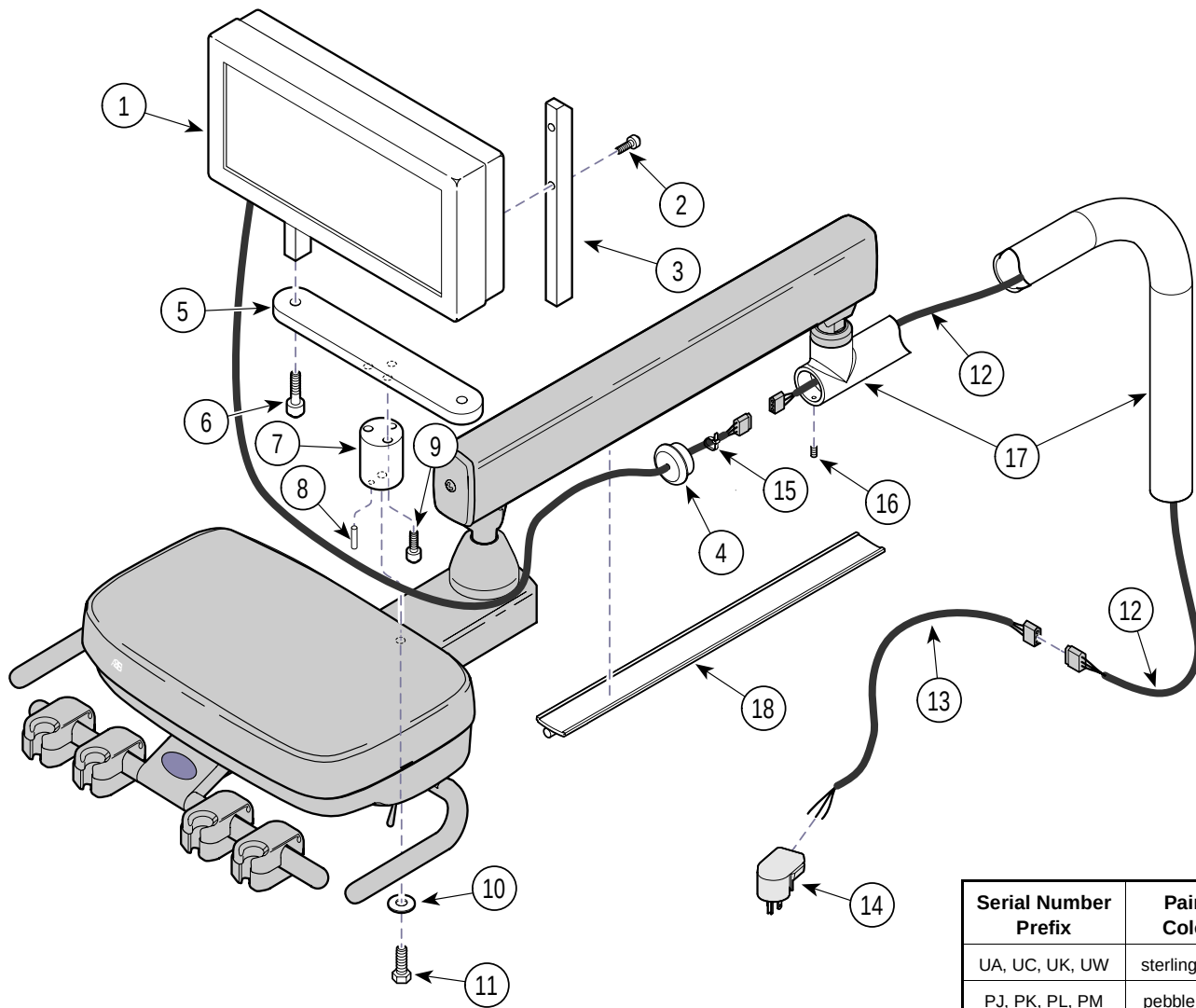
KA939802

Item	Part No.	Description	Quantity	Item	Part No.	Description	Quantity
1	121042	Saliva Ejector Valve (Includes items 2 thru 4)	1	6	121041	HVE Hndpc. Valve (incl. items 7 & 8)	1
2	• 121317	Replacement Tip.....	1	7	• 121046	• Lever - HVE Valve.....	1
3	• 121045	Lever - Saliva Ejector	1	8	•	• Adapter	1
4	•	Adapter	1	9	275254	Tubing (per ft.) (<i>sterling</i>).....	AR
5	275253	Tubing (per ft.) (<i>sterling</i>)	AR		S059-00128	Tubing (per ft.) (<i>pebble</i>)	AR
	S059-00127	Tubing (per ft.) (<i>pebble</i>).....	AR				

Always Specify Model & Serial Number

Unit Mounted X-Ray viewer

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

DA117400i

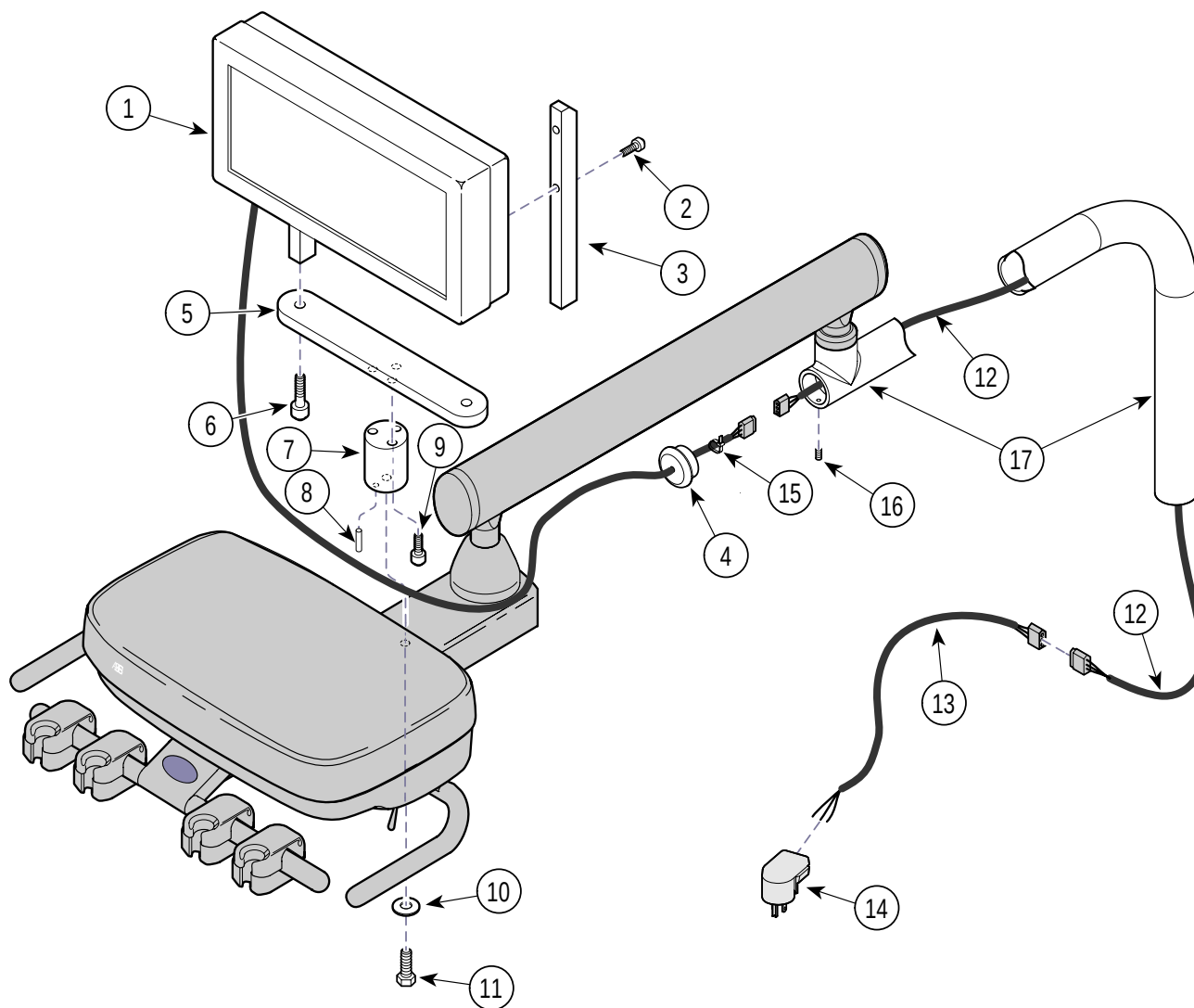
Applies to units with serial numbers PJ1000 thru PJ1869 and PK1000 thru PK1041

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	153150	220 V Asepsis X-Ray Viewer (sterling)		6	• 117558	• Screw	2
	153150-01	220 V Asepsis X-Ray Viewer (pebble)		7	• 120964-1	• Tray Arm Spacer (sterling)	1
		(Incl. items 1 thru 13 and 15 thru 19).....	1		• 120964-50	• Tray Arm Spacer (pebble)	1
	153555	110 V Asepsis X-Ray Viewer (sterling)		8	• 120965	• Dowel Pin (Apply Loctite* #K906111)	1
	153555-01	110 V Asepsis X-Ray Viewer (pebble)		9	• 120982	• Screw	3
		(Incl. items 1 thru 19)	1	10	• 118047	• Washer	1
1	• 153152	• 220 V Viewer Assy (sterling)		11	• 108850	• Screw	1
	• 153152-01	• 220 V Viewer Assy (pebble)		12	• 153153	• Power Cable	1
		(Includes items 2, 3 & 4)]	1	13	• 015-1609-00	• Power Cable	1
	• 153729	• 110 V Viewer Assy (pebble)		14	• 110994	• Plug (110 V models only)	1
	• 153729-01	• 110 V Viewer Assy (sterling)		15	• 115896	• Cable Tie	1
		(Includes items 2, 3 & 4)]	1	16	• 108850	• Set Screw	1
2	• •119905	• Screw	4	17	• 153150-1	• X-Ray Viewer Tube Wldt. (sterling)	1
3	• •121301-1	• Mounting Post (sterling)	2		• 153150-50	• X-Ray Viewer Tube Wldt. (pebble)	1
	• •121301-50	• Mounting Post (pebble)	2	18	• 122041-1	• Bottom Flex Arm Cover (sterling)	1
4	• •122631-1	• Switch Mounting Cap (sterling)	2		• 122041-50	• Bottom Flex Arm Cover (pebble)	1
	• •122631-50	• Switch Mounting Cap (pebble)	2	19	• TPW1800	• Installation Instructions (not shown)	1
5	• 122076-1	• Bar Support (sterling)	1	20	122727	• Butt Splice Terminal (not shown)	3
	• 122076-50	• Bar Support (pebble)	1				

Always Specify Model & Serial Number

Unit Mounted X-Ray viewer

SECTION VI PARTS LIST



KA993301i

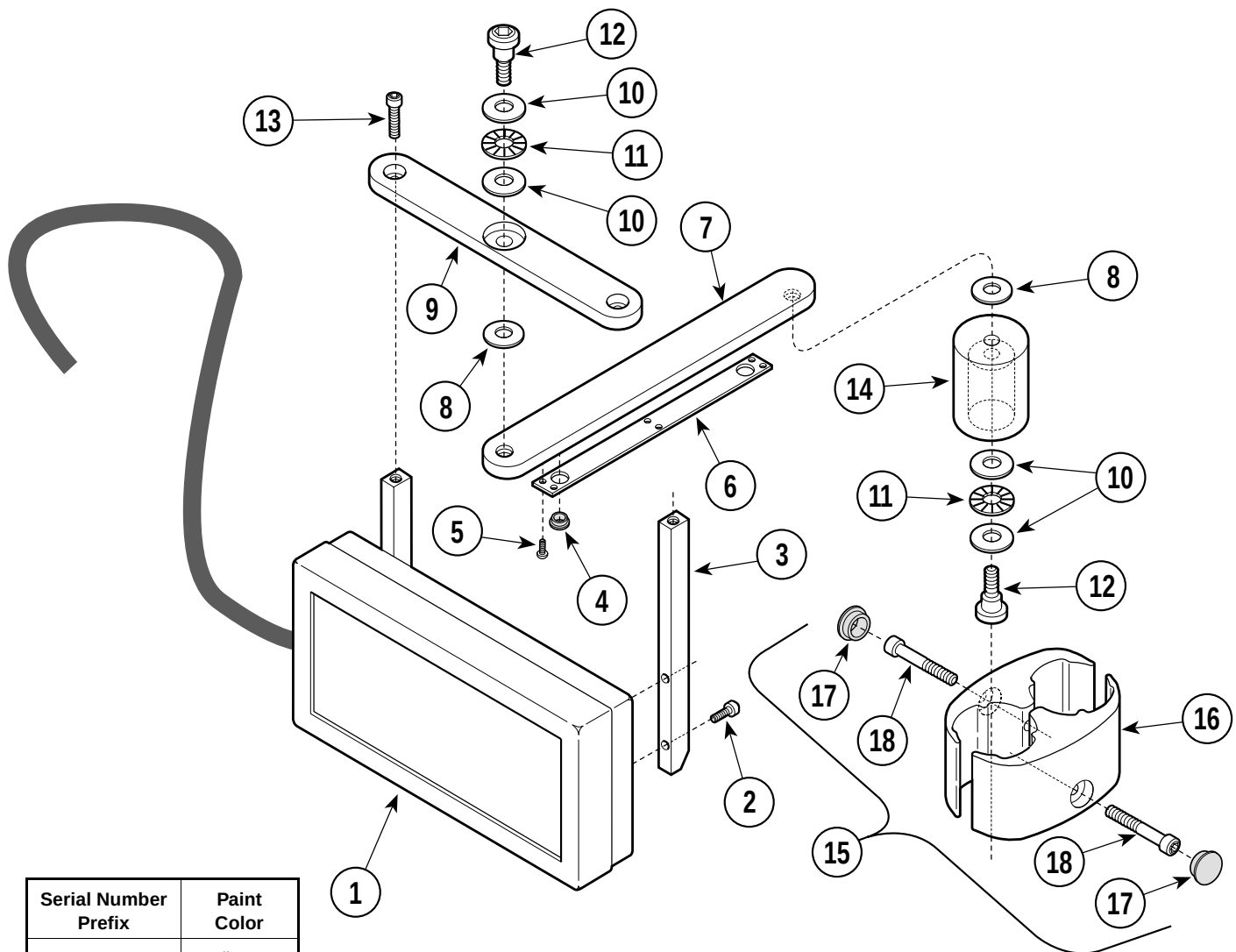
Applies to units with serial numbers PJ1870 and PK1042 thru Present

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	153150-01	220 V Asepsis X-Ray Viewer (Incl. items 1 thru 13 and 15 thru 19).....	1	7	• 120964-50	• Tray Arm Spacer	1
	153555-01	110 V Asepsis X-Ray Viewer (Incl. items 1 thru 19)	1	8	• 120965	• Dowel Pin (Apply Loctite* #K906111) .	1
1	• 153152-01	• 220 V Viewer Assy (Includes items 2, 3 & 4)]	1	9	• 120982	• Screw	3
	• 153729-01	• 110 V Viewer Assy (Includes items 2, 3 & 4)]	1	10	• 118047	• Washer	1
2	• •119905	• •Screw	4	11	• 108850	• Screw	1
3	• •121301-50	• •Mounting Post	2	12	• 153153	• Power Cable	1
4	• •122631-50	• •Switch Mounting Cap.....	2	13	• 015-1609-00	• Power Cable	1
5	• •122076-50	• Bar Support.....	1	14	• 110994	• Plug (110 V models <u>only</u>).....	1
6	• 117558	• Screw	2	15	• 115896	• Cable Tie	1
				16	• 108850	• Set Screw	1
				17	• 030-1420-50	• X-Ray Viewer Tube Weldment	1
				18	• TPW1800	• Installation Instructions (not shown) ...	1
				19	122727	Butt Splice Terminal (not shown).....	3

Always Specify Model & Serial Number

Post Mounted X-Ray viewer

SECTION VI PARTS LIST



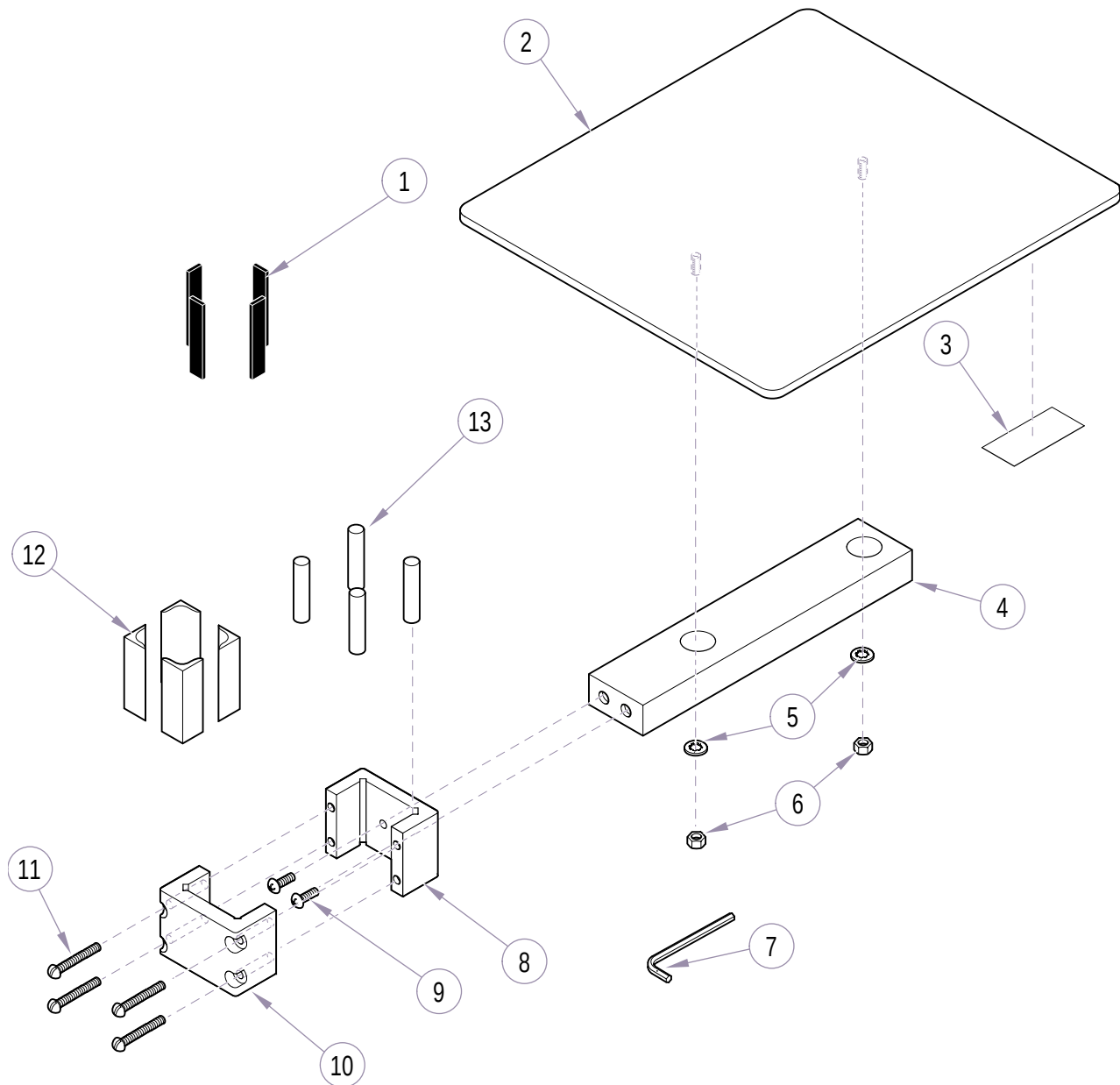
Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

KA993200

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		Post Mounted X-Ray Viewer - 220 V. (includes items 1 thru 15)					
	152702	(sterling).....	1	9	• 122054-1	• Arm Link (sterling)	1
	152702-01	(pebble).....	1		• 122054-50	• Arm Link (pebble)	1
1	•	• X-Ray Viewer Assy (incl. items 2 & 3)		10	• 120712	• Thrust Washer	4
	152350	(sterling).....	1	11	• 110207	• Thrust Bearing	2
	152350-01	(pebble).....	1	12	• 117471	• Shoulder Screw	2
2	• 121301-1	• Mounting Post (sterling)	2	13	• 120935	• Screw	2
	• 121301-50	• Mounting Post (pebble).....	2	14	• 121734-1	• Pivot Hub (sterling).....	1
3	• 119905	• Screw	4		• 121734-50	• Pivot Hub (pebble)	1
4	• 117604	• Grommet	2	15	•	• Clamp Kit (incl. items 16 thru 18)	
5	• 119905	• Screw	6		152633	(sterling)	1
6	• 122052-1	• Link Cover (sterling).....	1		152633-01	(pebble).....	1
	• 122052-50	• Link Cover (pebble).....	1	16	• 122216-1	• Post Clamp (sterling)	2
7	• 121892-1	• Mounting Bar (sterling).....	1		• 122216-50	• Post Clamp (pebble).....	2
	• 121892-50	• Mounting Bar (pebble).....	1	17	• 120227	• Plug Button (sterling)	2
8	• 120744-6	• Washer	2		• 120227-50	• Plug Button (pebble).....	2
				18	• 121751	• Screw	2
				19	• 121806	• Wrench (not shown)	1
				20	• TP1387	• Installation Instructions (not shown). 1	

Always Specify Model & Serial Number

Accessory Shelf

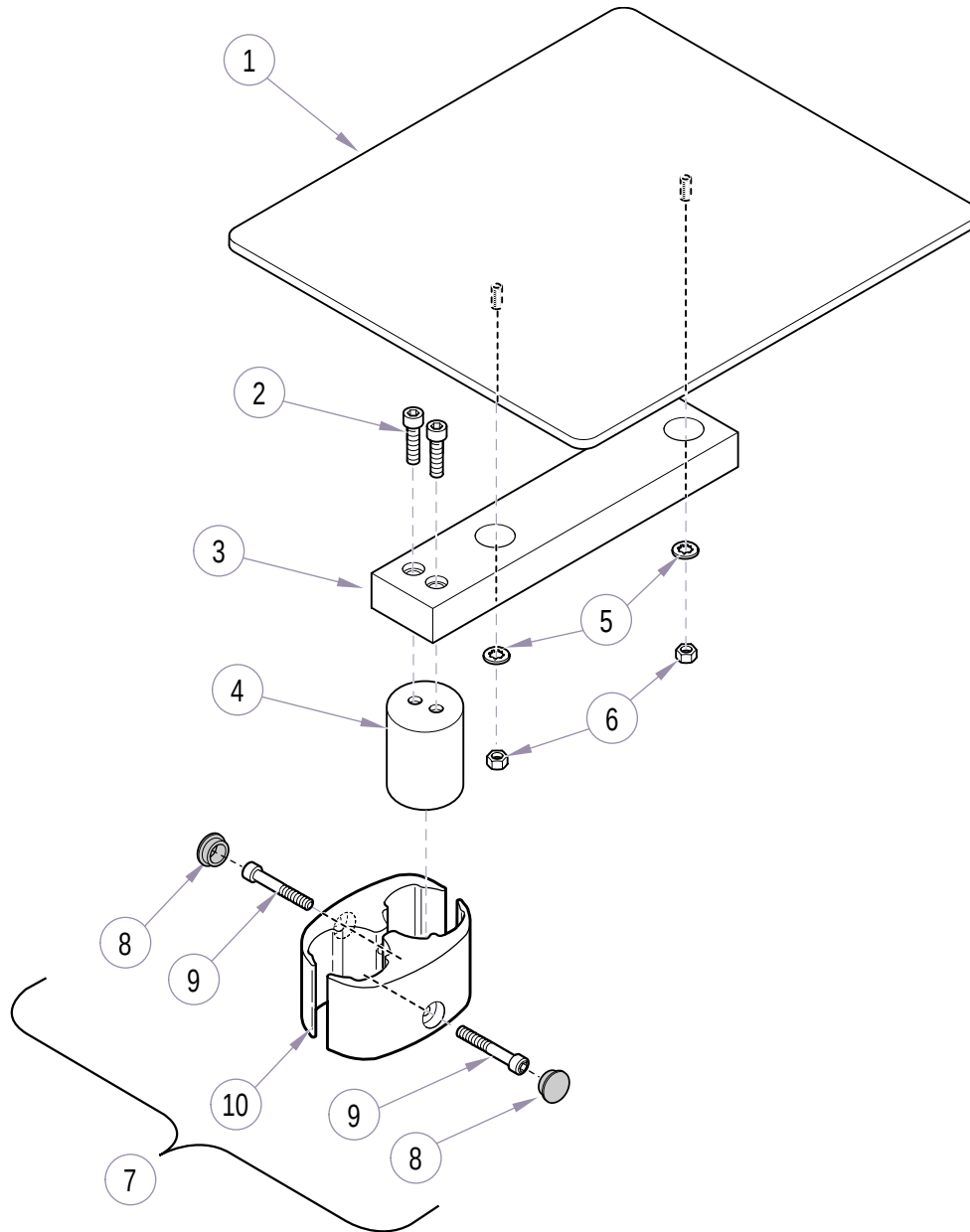
SECTION VI
PARTS LIST

DA112500i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	151848	Accessory Shelf (<i>sterling</i>)		7	• 107591	• 5/32 Allen Wrench	1
	151848-01	Accessory Shelf (<i>pebble</i>)		8	• 118456-1	• Shelf Bar (<i>sterling</i>).....	1
1	• 118429	• Mounting Pad	4		• 118456-50	• Shelf Bar (<i>pebble</i>).....	1
2	• 120510-1	• Shelf (<i>sterling</i>).....	1	9	• 040-0250-33	• Screw.....	2
	• 120510-50	• Shelf (<i>pebble</i>).....	1	10	• 118420-1	• Shelf Bar (<i>sterling</i>).....	1
3	• 133325	• Warning Label	1		• 118420-50	• Shelf Bar (<i>pebble</i>).....	1
4	• 120511-1	• Shelf Bar (<i>sterling</i>).....	1	11	• 118451	• Screw.....	4
	• 120511-50	• Shelf Bar (<i>pebble</i>).....	1	12	• 120715-1	• Fill Strip (Clamp Adaptor) (<i>sterling</i>)...	4
5	• P12575	• Washer.....	2		• 118456-50	• Fill Strip (Clamp Adaptor) (<i>pebble</i>)	4
6	• P507	• Nut.....	2	13	• 120746-6	• Filler Rod	4

Always Specify Model & Serial Number

Accessory Shelf

SECTION VI
PARTS LIST

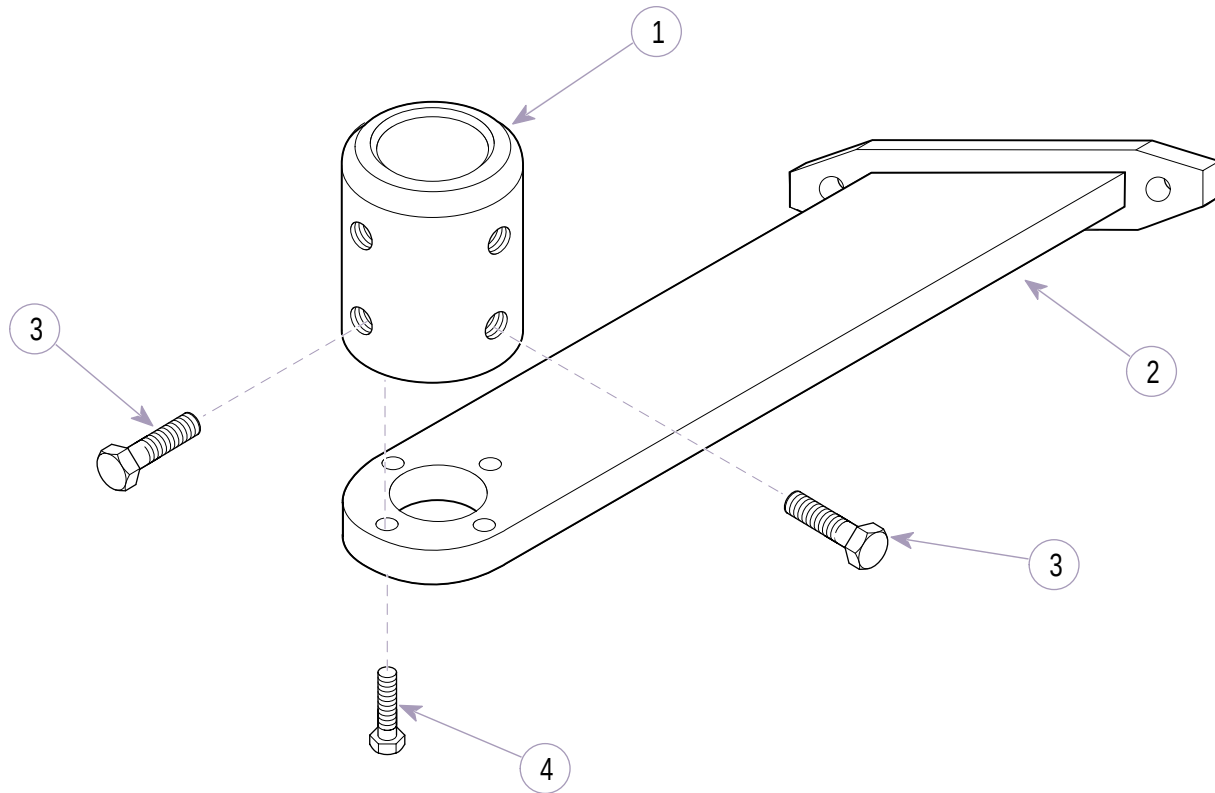
DA112600i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	152526	Accessory Shelf (<i>sterling</i>)		5	• P12575	• Lock Washer	2
	152526-01	Accessory Shelf (<i>pebble</i>)		6	• P507	• Nut	2
1	• 120510-1	• Shelf (<i>sterling</i>)	1	7	152633	• Clamp Kit (<i>sterling</i>)	1
	• 120510-50	• Shelf (<i>pebble</i>)	1		152633-1	• Clamp Kit (<i>pebble</i>)	1
2	• 106657	• Screw	2	8	• 118420-1	• Plug Button (<i>sterling</i>)	2
3	• 121732-1	• Shelf Bar (<i>sterling</i>)	1		• 118420-50	• Plug Button (<i>pebble</i>)	2
	• 121732-50	• Shelf Bar (<i>pebble</i>)	1	9	• 121751	• Screw	4
4	• 121731-1	• Hub (<i>sterling</i>)	1	10	• 122216-1	• Post Clamp (<i>sterling</i>)	1
	• 121731-50	• Hub (<i>pebble</i>)	1		• 122216-50	• Post Clamp (<i>pebble</i>)	1

Always Specify Model & Serial Number

Console Mounting Bracket - Biltmore / Biltmore Classic

SECTION VI PARTS LIST



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

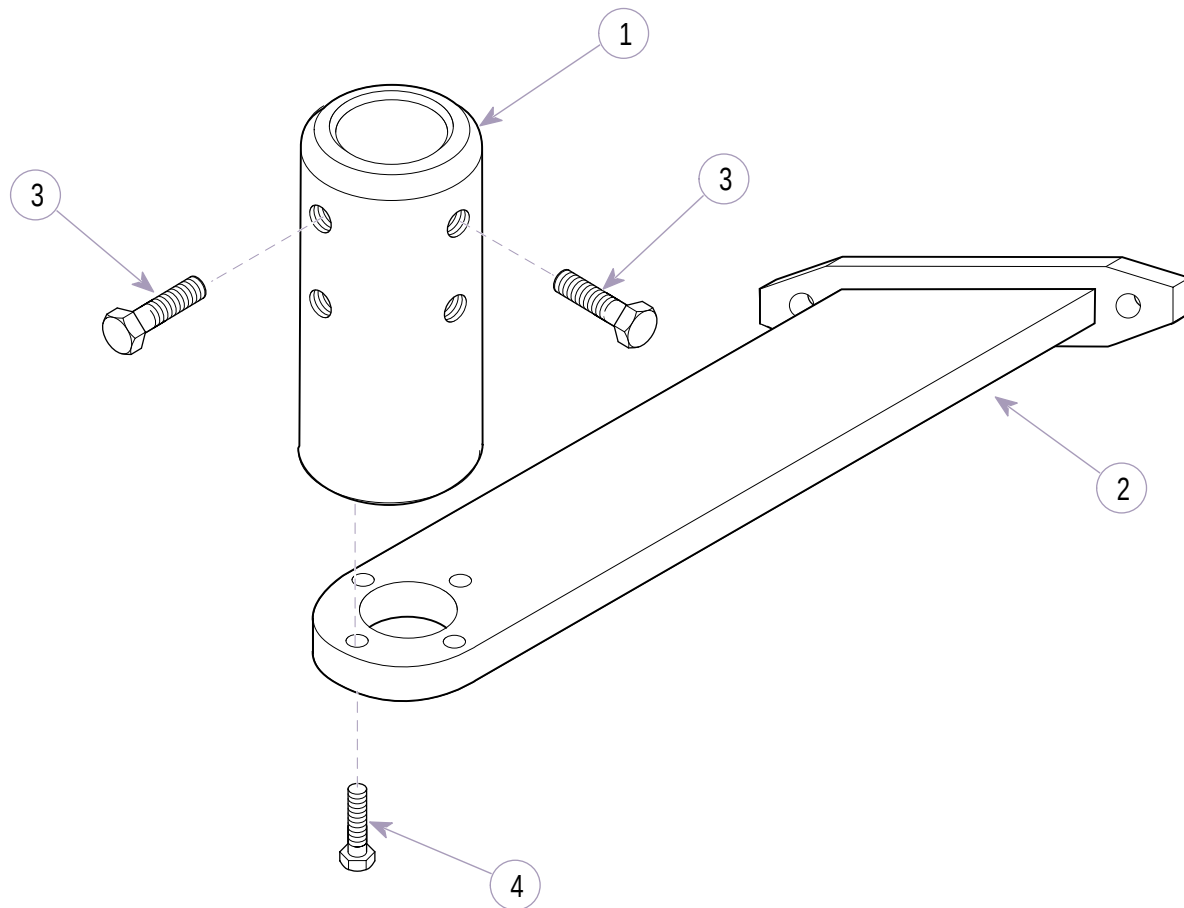
AF2079

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		Biltmore Series Mount Assembly (includes items 1 thru 7)		2	• 152493-1	• Weldment (sterling)	1
	152509	(sterling)	1		• 152493-50	• Weldment (pebble)	1
	152509-01	(pebble)	1	3	• 121791	• Hex Bolt (apply Loctite* 242)	8
1	• 121762-1	• Collar (sterling)	1	4	• 121124	• Hex Bolt	4
	• 121762-50	• Collar (pebble)	1	5	• C24983	• Screw (not shown)	2
				6	• TPW1327	• Installation Instructions (not shown) ...	1
				7	• 175593	• Tape-Strap Pack (not shown)	A/R

Always Specify Model & Serial Number

Console Mounting Bracket - Legacy / Legacy II / ENT Mount

SECTION VI PARTS LIST



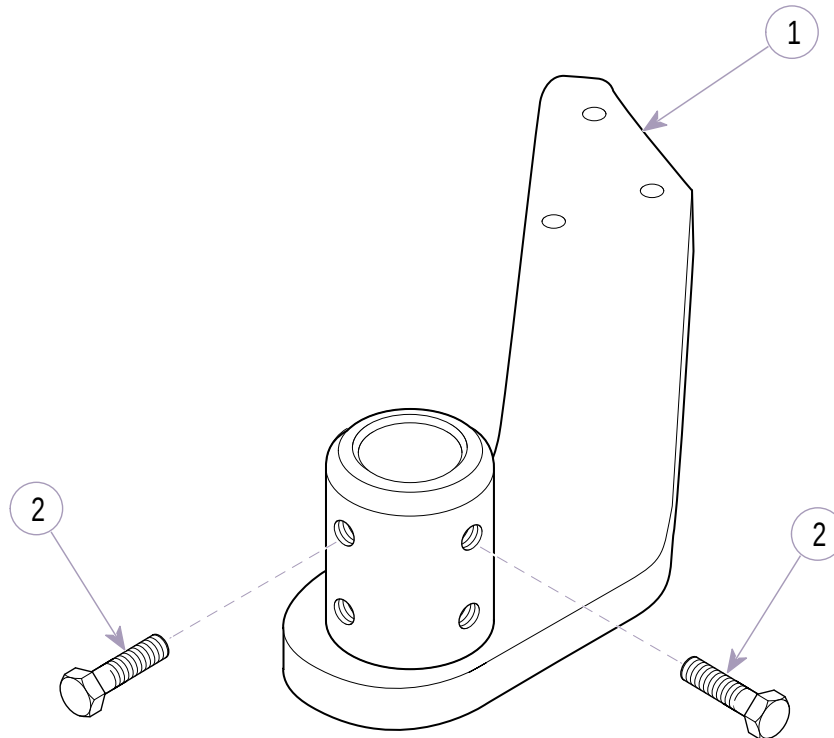
Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

AF2082

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		Legacy Series Mount Assembly (includes items 1 thru 5)		2	• 152545-1	• Weldment(sterling)	1
	152512	(sterling)	1		• 152545-50	• Weldment(pebble)	1
	152512-01	(pebble)	1	3	• 121791	• Hex Bolt (apply Loctite* 242)	8
1	• 121805-1	• Collar (sterling)	1	4	• 121124	• Hex Bolt	4
	• 121805-50	• Collar (pebble)	1	5	• C24983	• Screw (not shown)	2

Always Specify Model & Serial Number

Console Mounting Bracket - Royal Mount



NOTE: All painted/plastic components on this page are Sterling Grey

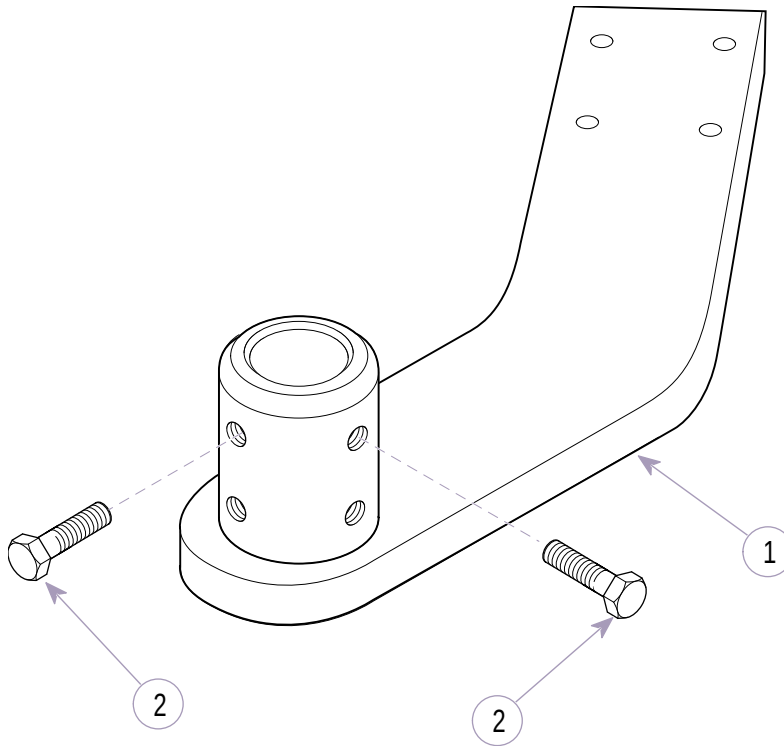
AF2107

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	152630	Royal Mount Assembly (Includes items 1 thru 3).....	1	2	• 040-0312-71	• Hex Bolt (Apply Loctite* 242, 042-0024-00)	8
1	• 121902	• Weldment	1	3	• TPW1429	• Installation Instructions (not shown) ...	1

Always Specify Model & Serial Number

Console Mounting Bracket - Belmont 7 thru 37

SECTION VI PARTS LIST



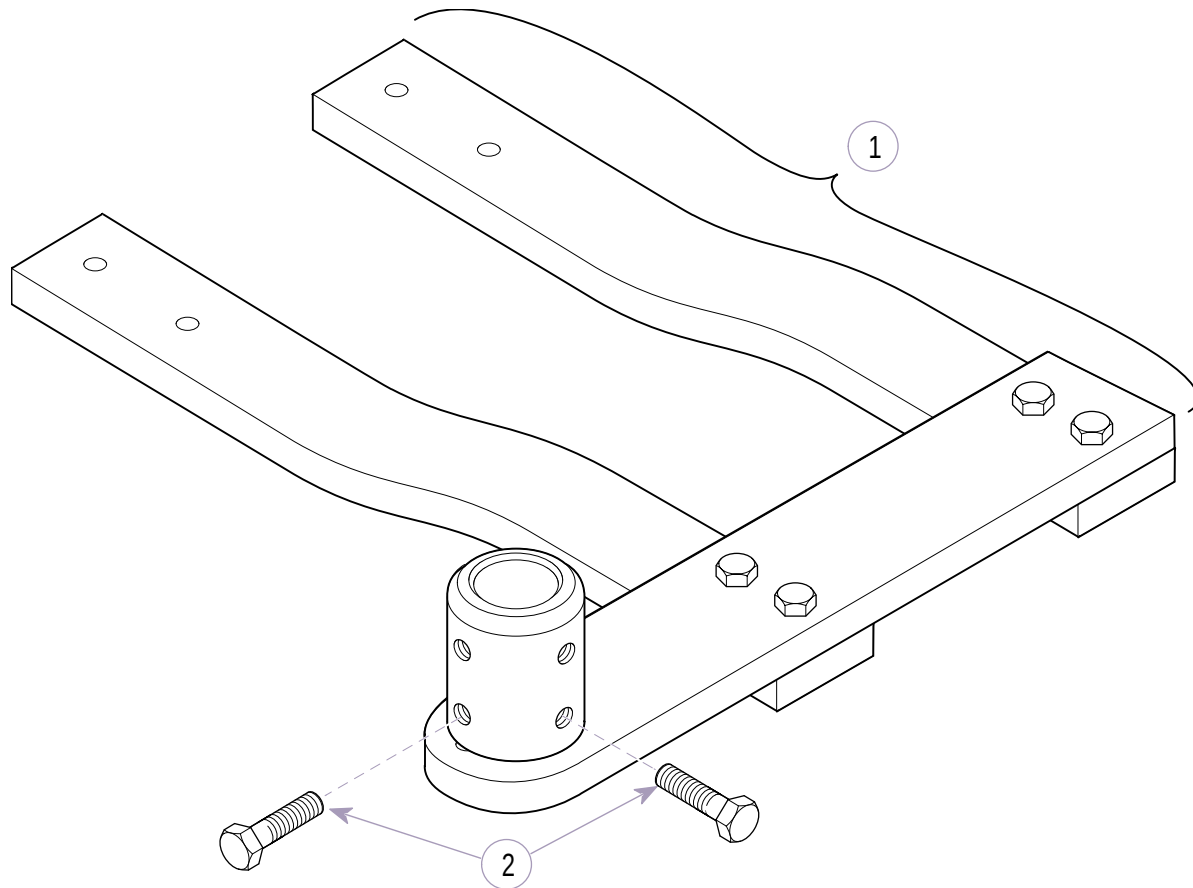
NOTE: All painted/plastic components on this page are Sterling Grey

AF2106

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	152623	Belmont 7-37 Mount Assembly (Includes items 1 thru 3).....	1	2	• 040-0312-71	• Hex Bolt (Apply Loctite* 242, 042-0024-00)	8
1	• 121869	• Weldment	1	3	• TPW1429	• Installation Instructions (not shown) ...	1

Always Specify Model & Serial Number

Console Mounting Bracket - Dental-EZ PL200 / J13 Simplicity



NOTE: All painted/plastic components on this page are Sterling Grey

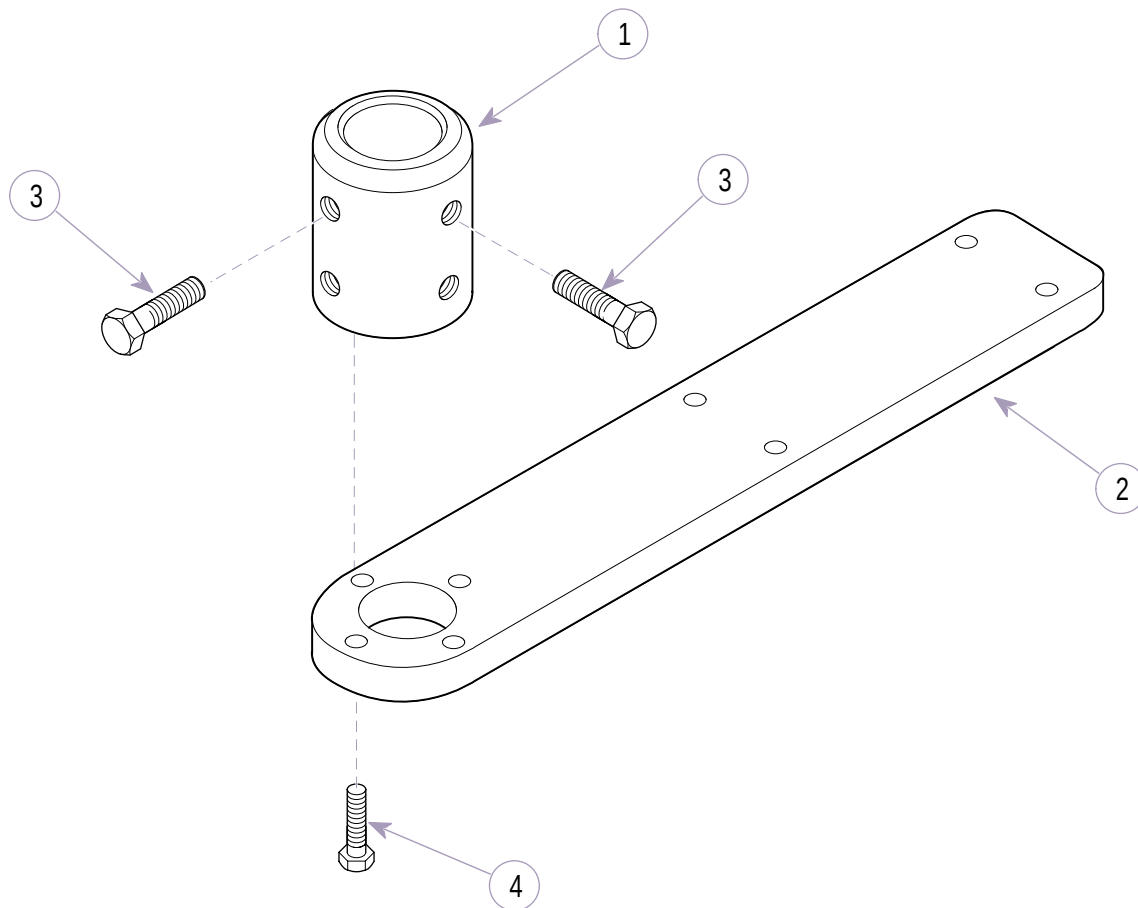
AF2108

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	152843	Dental-EZ Mount Assy w/Support Bars (Includes item 2)	1	2	•	• Hex Bolt (Apply Loctite* 242, 042-0024-00)	8

Always Specify Model & Serial Number

Console Mounting Bracket - Dental-EZ Advantage / JV / E2000

SECTION VI PARTS LIST



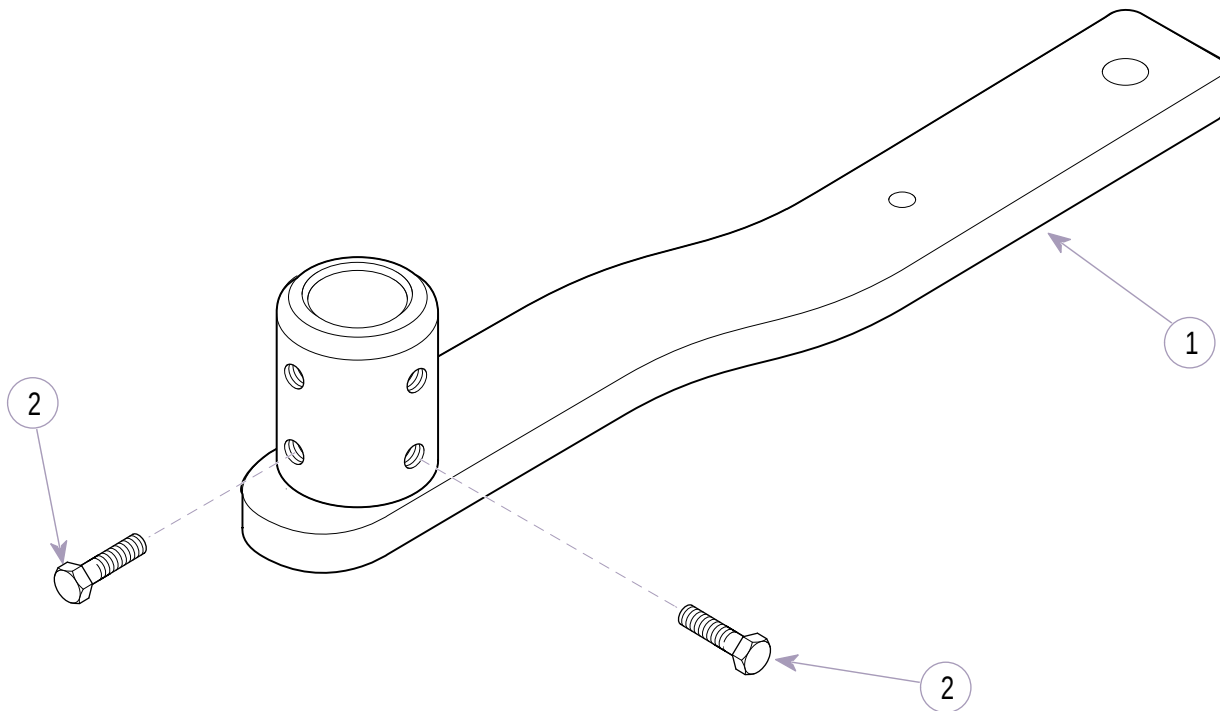
Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		Dental-EZ Mount Assembly (includes items 1 thru 6)		2	• 122147-1	• Weldment (<i>sterling</i>)	1
	152840	(<i>sterling</i>)	1		• 122147-50	• Weldment (<i>pebble</i>)	1
	152840-01	(<i>pebble</i>)	1	3	• 121791	• Hex Bolt (apply Loctite* 242)	8
1	• 121762-1	• Collar (<i>sterling</i>)	1	4	• 155551	• Hex Bolt	4
	• 121762-50	• Collar (<i>pebble</i>)	1	5	• C151	• Lockwasher (not shown)	4
				6	• 112106	• Bolt (not shown)	4

Always Specify Model & Serial Number

Console Mounting Bracket - Adec Decade / 1020

SECTION VI PARTS LIST



NOTE: All painted/plastic components on this page are Sterling Grey

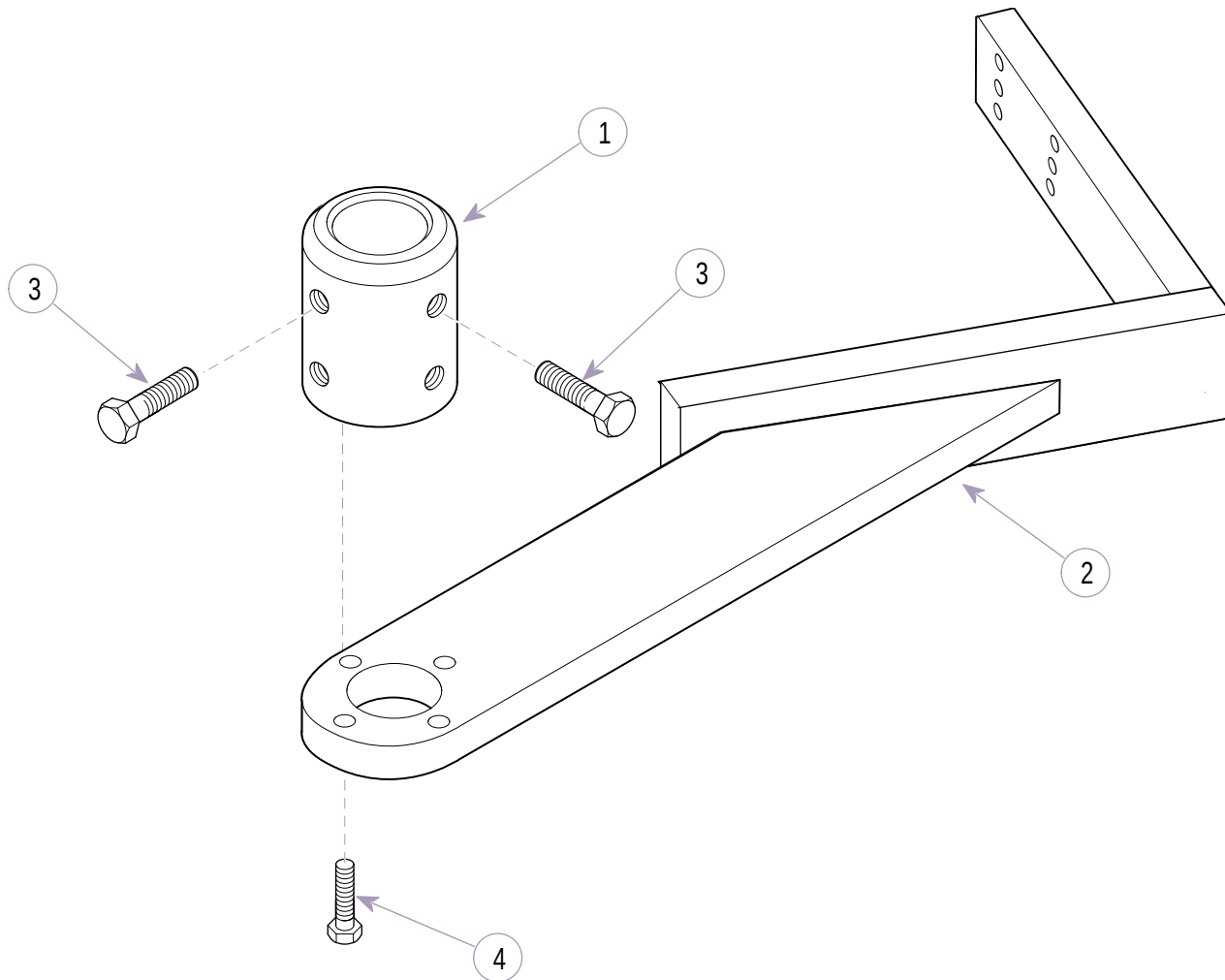
AF2087

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	152627	Adec 1020 Mount Assembly (Includes items 1 thru 3).....	1	2	• 040-0312-71	• Hex Bolt (Apply Loctite* 242, 042-0024-00)	8
1	• 121910	• Weldment	1	3	• TPW1429	• Installation Instructions (not shown) ...	1

Always Specify Model & Serial Number

Console Mounting Bracket - Ritter x-100

SECTION VI PARTS LIST

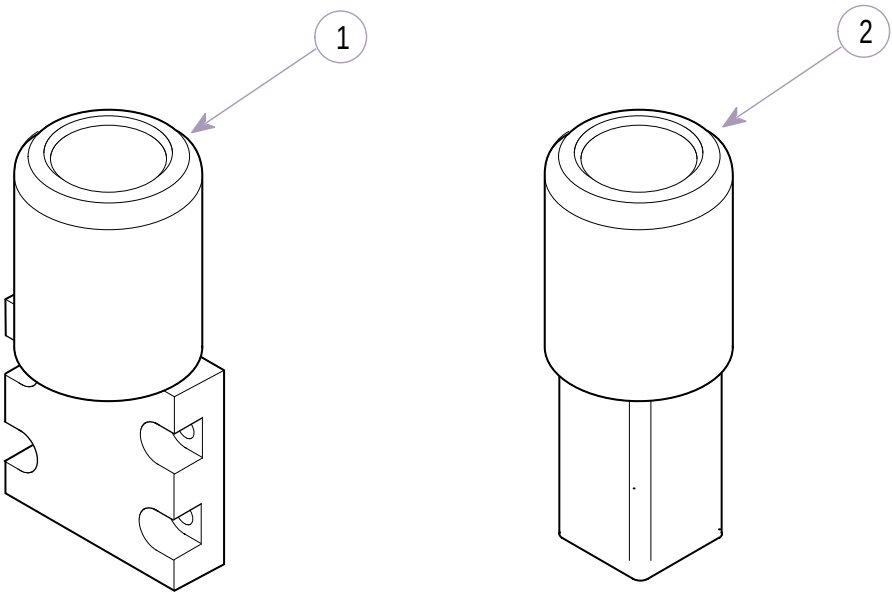


Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

AF2099

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
		Ritter x-100 Chair Mount Assembly (includes items 1 thru 7)					
	152626	(sterling)	1	3	• 121762-1	• Collar (sterling)	1
	152626-01	(pebble)	1		• 121762-50	• Collar (pebble)	1
1	• 152625-1	• Weldment (sterling)	1	4	• 121124	• Screw	4
	• 152625-50	• Weldment (pebble)	1	5	• 120918	• Hex Bolt	4
2	• 121791	• Hex Bolt (apply Loctite* 242)	8	6	• C151	• Washer	4
				7	• TP1378	• Instructions (not shown)	1

Always Specify Model & Serial Number



Serial Number Prefix	Paint Color
UA, UC, UK, UW	sterling grey
PJ, PK, PL, PM	pebble grey

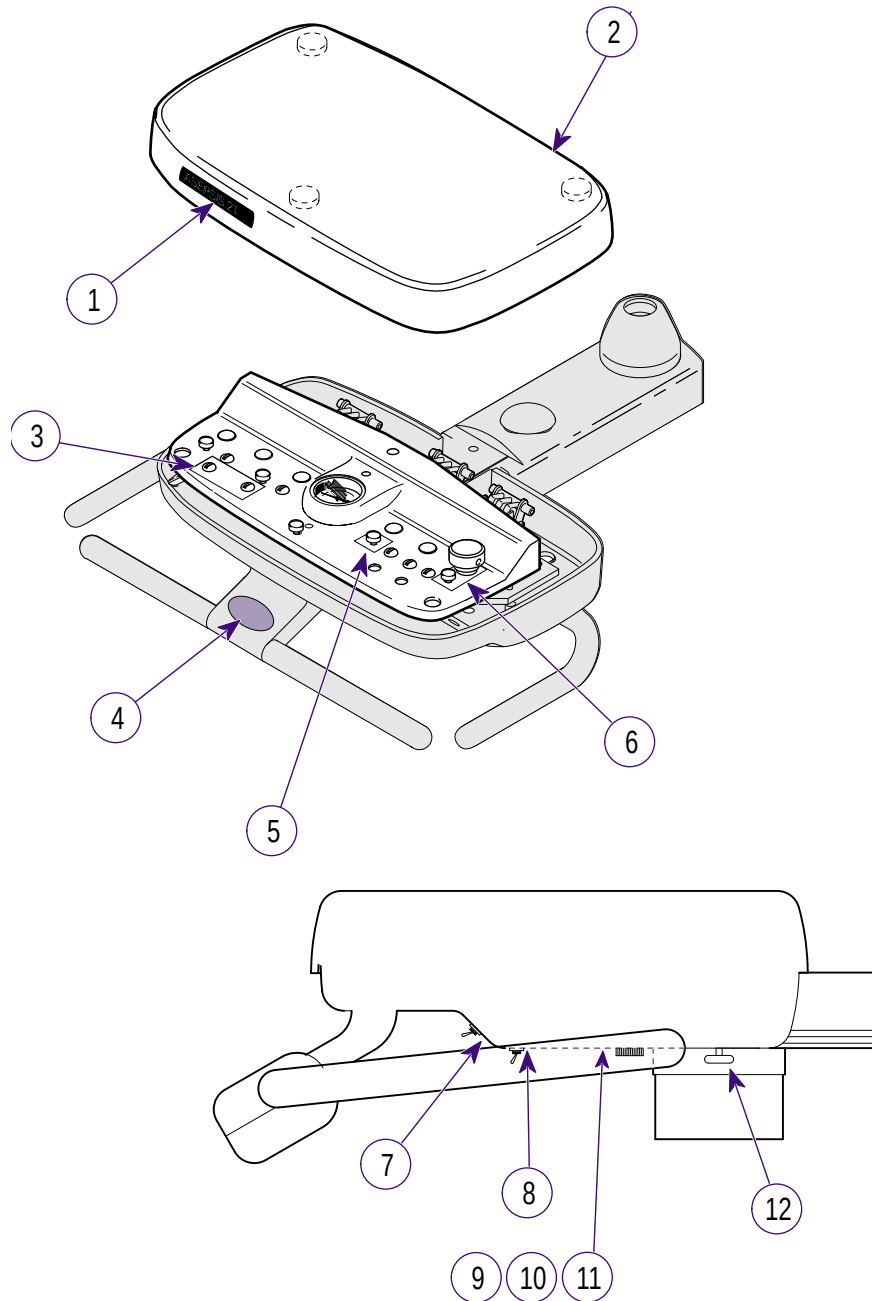
AF2086

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1		Adapter for 2.0 in. round post to 2.5 in. square mount		2		Adapter for 2.5 in. square post to 2.0 in. round mount	
	152543-1	(sterling)	1		152159-1	(sterling)	1
	152543-50	(pebble)	1		152159-50	(pebble)	1

Always Specify Model & Serial Number

Labels & Decals

Asepsis 21 Delivery Head



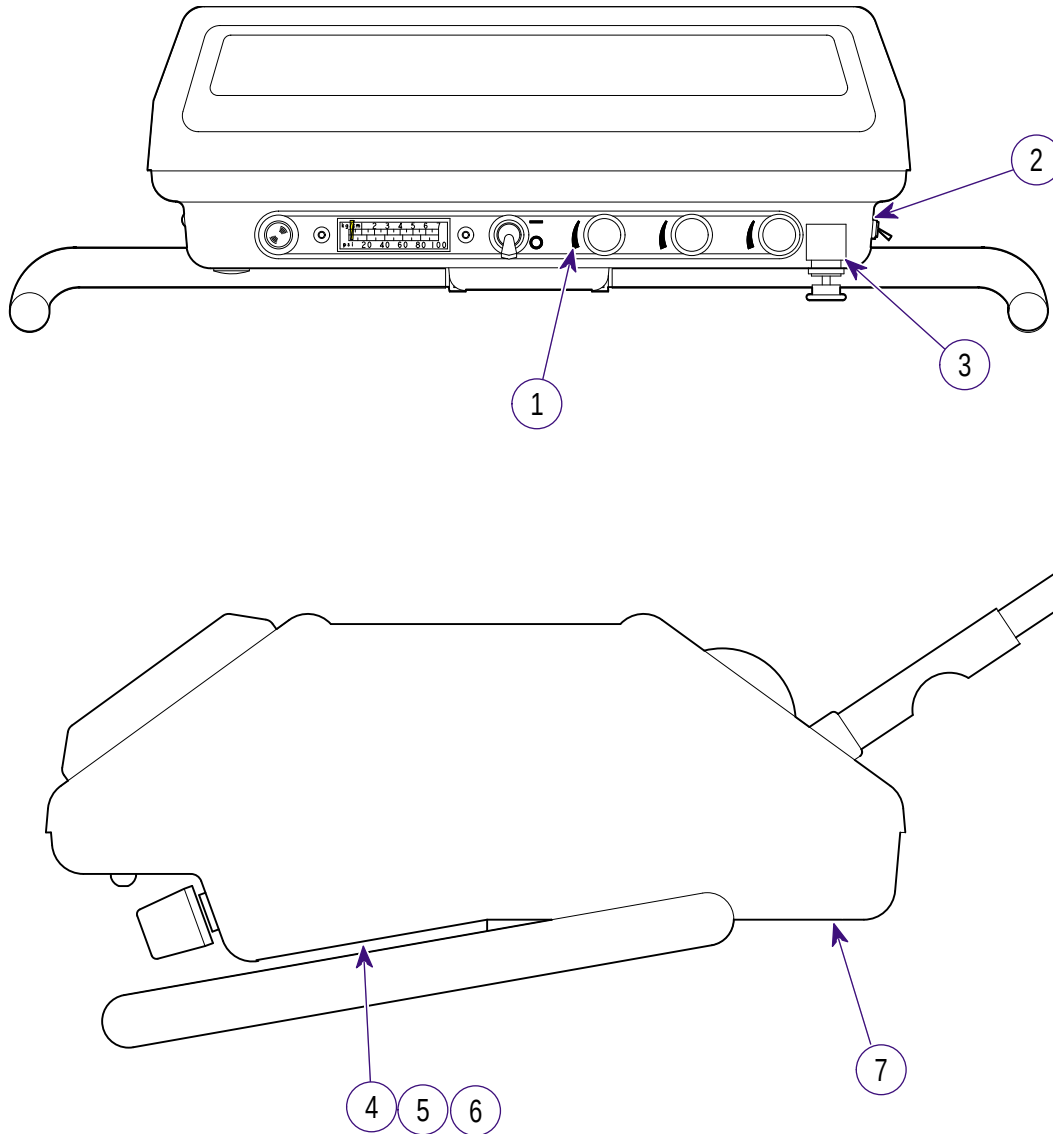
KA940900

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121525	Asepsis Decal	1	7	TPW1351	ON/OFF Label	1
2	TPW1415	ETL Label	1	8	TPW1538	Arm Lock Label	1
3	120927	Syringe Label	1	9	061-0733-00	CE0088 Label	2
4	121527	Knight Logo	1	10	061-0749-00	CE Representative Label	1
5	120928	C.A. Label	1	11	120687	Serial Number Label	1
6	120926	C.W. / D.A. Label	AR	12	TPW1493	System Flush Label	1

Always Specify Model & Serial Number

Labels & Decals

International Delivery Head



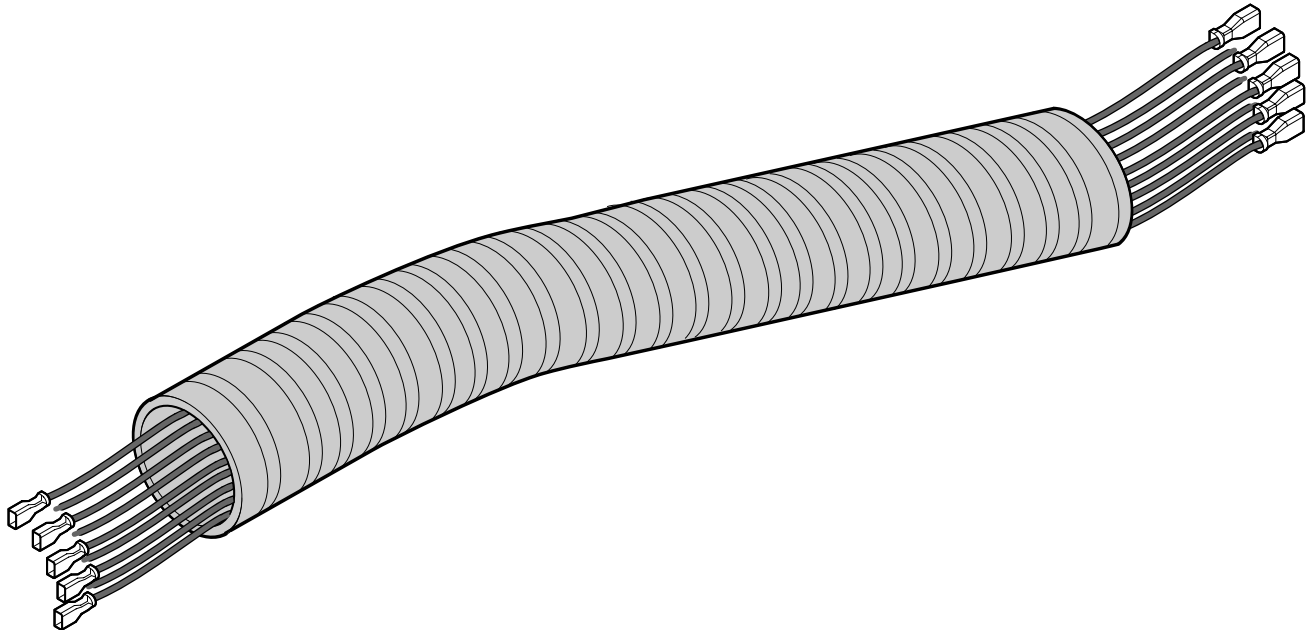
KA940001

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	121413	International Delivery Unit Decal	1	5	061-0749-00	CE Representative Label	1
2	TPW1538	Arm Lock Label.....	1	6	120687	Serial Number Label	1
3	TPW1493	System Flush Label	1	7	TP1126	Whip Labels	1
4	061-0733-00	CE0088 Label.....	2				

Always Specify Model & Serial Number

Umbilical Assemblies

SECTION VI PARTS LIST



KA992000i

Description	Assembly Number (Includes all tubing, wiring, connectors, and protective sleeve)
Doctor's Cart Umbilical (11.5 ft.)	152188-01
Hygienist's Cart Umbilical (11.5 ft.)	152188-02
Rear Delivery Unit Umbilical (5.5 ft.)	029-2741-00
Wall Mounted Delivery Unit Umbilical	152006-01
Duo Cart Umbilical	029-2905-00
Assistant's Vacuum Instruments Umbilical	153238-01
LR Cuspidor Umbilical	153182-01
Console to Junction Box Umbilical	152970-01
LR Chair Umbilical	153142-01
External Umbilical w/Bracket	153154-01
Console/LR Mtd. Delivery Unit Umbilical w/18" corrugated cover (11 ft.)	029-2742-00
Console/LR Mtd. Delivery Unit Umbilical w/o corrugated cover (11 ft.)	029-2742-01
Always Specify Model & Serial Number	

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